

The Commonwealth of Massachusetts  
Executive Office of Health and Human Services  
Department of Public Health  
William A. Hinton State Laboratory Institute  
305 South Street, Jamaica Plain, MA 02130

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09/23/2011

Jaclyn Sexton  
Assistant District Attorney, Norfolk County

Dear ADA Sexton,

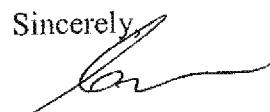
Enclosed is the information you requested in regards to Commonwealth vs [REDACTED] Included are copies of the following:

1. Curriculum Vitae for Annie Dookhan and Kate Corbett.
2. Drug Analysis Laboratory Receipt.
3. Control Cards with analytical results for samples # [REDACTED]
4. Analysis sheets with custodial chemist's hand notations and test results.
5. GC/Mass Spectral analytical data for samples.

Annie Dookhan was the custodial chemist and performed the preliminary testing and net weight for this sample. Kate Corbett was the confirmatory chemist and analyzed the GC/MS data for this sample.

If you have any questions about these materials, please call me at the number below.

Sincerely,



Annie Dookhan  
Chemist II  
Drug Analysis Lab  
Jamaica Plain, MA. 02130  
(617) 983-6622

## Curriculum Vitae

### Annie Khan (Dookhan)

#### **Education:**

University of Massachusetts, Boston, Ma, Master of Science in Chemistry.  
University of Massachusetts, Boston, Ma, Bachelor of Science in Biochemistry.

#### **Experience:**

2003 – present

##### Chemist I, II, Massachusetts Department of Public Health, Drug Analysis Laboratory

- \*Completed six-week training course conducted by senior staff within the Department of Public Health, Drug Analysis Laboratory.
- \*Appointed Assistant Analyst by Assistant Commissioner of Public Health, 2004.
- \*Responsible for the identification of illicit drugs to determine violations of harmful and narcotic drug laws.
- \*Trained in the use of complex analytical instrumentation, microscopes and balances for the purpose of drug analysis.
- \*Maintenance and repairs of all analytical instruments.
- \*Responsible for the Quality Control of all analytical instruments, reagents and controls/standards.
- \*Oversee the Quality Control/Quality Assurance program for the Drug Lab.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs) and Protocols.
- \*Notary Public.
- \*Qualified as an expert witness in Massachusetts Courts and U.S. District Court

2001 – 2003

##### QC Analyst I, II, UMMS-Massachusetts Biologic Laboratory, QC Material Control

- \*Completed proficiency training conducted by a member of the staff within the MLB Quality Control and Quality Assurance Department.
- \*Method Development for creating new techniques and enhancing vaccines for the QC Dept. and FDA.
- \*Writing, revising and reviewing Standard Operating Procedures (SOPs).
- \*Trained and supervised new chemists and interns for the department.
- \*Routine QC testing of products for the FDA.
- \*Trained in the use of complex analytical instrumentation, and balances for the purpose of QC analysis for product and validation projects.
- \*Calibration, preventive maintenance, QC and QA of analytical instrumentation.
- \*Complete testing of chemicals for Vendor Validation Project for the FDA.
- \*Compendial testing and interpretation of the USP, ACS, FCC, AOAC, Merck Index, PDR, etc.

#### **Additional Training:**

Dept. of Justice – Forensics Professionals. (numerous trainings)  
GLP/GMP training with Massachusetts Biologic Laboratory.  
QC/QA training according to FDA Codes and Regulations.  
GC and GC/MS trainings with Agilent Technologies and Restek.  
HPLC and LC/MS/MS trainings with Waters Cooperation.  
FTIR training with Spectros.  
TOC training with MBL and Sievers.

#### **Association:**

American Chemical Society (ACS)  
Northeastern Association of Forensics Science (NEAFS)

# Curriculum Vitae

Kate A. Corbett

## Education

### **Bachelor of Science Degree, CHEMISTRY May 2003**

MERRIMACK COLLEGE

Coursework included: Organic Chemistry, Inorganic Chemistry, Quantitative Analysis, Instrumental Analysis, Physical Chemistry, Physics, Calculus

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## Employment

### **Chemist II State Laboratory Institute (March 2008-Present)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance and trafficking substances to determine violation of the Massachusetts drug laws
- Responsible for the identification of pharmaceuticals to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation, microscopes and balances for forensic drug analysis

### **Chemist I State Laboratory Institute (2005-March 2008)**

Massachusetts Department of Public Health

Drug Analysis Laboratory

- Responsible for the identification of substance to determine violation of the Massachusetts drug laws
- Operate analytical instrumentation for the purpose of performing forensic drug analysis
- Successfully completed an eight week training course in the analysis of drugs conducted by senior staff of the Department of Public Health, Drug Analysis Laboratory
- Appointed an assistant analyst for the Department of Public Health, Drug Analysis Laboratory in 2005.

### **Research Associate (September 2003 – August 2005)**

SENSOR TECHNOLOGIES, INC - Shrewsbury, MA

- Prepared chemistries used in making sensor beads
- Generated and examined sensors employing fluorescence spectroscopy
- Performed protein, dye and sugar assays using UV/VIS spectrophotometry
- Carried out titrations on ricin using fluorescence correlation spectroscopy
- Statistical analysis of experimental data

### **Intern (March 2003 – August 2003)**

MASSACHUSETTS STATE POLICE CRIME LABORATORY - Sudbury, MA

- Assisted in the gathering of case files to fulfill the National Institute of Justice's No Suspect Backlog Reduction Grant
- Observed in the Evidence, Criminalistics, DNA, Drug, Trace, Toxicology, and Bomb/Arson Units

*The Commonwealth of Massachusetts**Executive Office of Health and Human Services**Department of Public Health**State Laboratory Institute*

Boston Drug Laboratory

Tel (617) 983-6622

Fax (617) 983-6625

Amherst Drug Laboratory

Tel (413) 545-2601

Fax (413) 545-2608

Boston Hours

8:00 – 11:00

2:00 – 4:00

Amherst Hours

9:00 – 12:00

1:00 – 3:00

**DRUG RECEIPT**City or Department: QUINCYPolice Reference No.: [REDACTED]Name and Rank of Submitting Officer: DET. B. COEN / DET. W. WARDDefendant(s) Name (last, first, initial): [REDACTED]*To be completed by Submitter***Description of Items Submitted***To be completed by Lab Personnel***Gross Weight****Lab Number**

<u>P/B OF BROWN ROCK/POWDER</u>	<u>4.26 gm</u>	[REDACTED]
<u>BLUE CONTAINER AND P/B</u>		
<u>CONTAINING WHITE POWDER</u>	<u>7.17 gm</u>	
<u>APPROX 12 1/2 ORANGE TABLETS</u>	<u>4.28 gm</u>	
<u>APPROX 15 GREEN TABLETS</u>	<u>6.29 gm</u>	
<u>3 ORANGE TABLETS</u>	<u>2.73 gm</u>	
<u>1 WHITE TABLET</u>	<u>2.04 gm</u>	
<u>1 BLUE TABLET</u>	<u>2.25 gm</u>	

Received by: [Signature] Date: 11/5/16

No. [REDACTED]  
City: Quincy Police Dept.  
Officer: Detective WILLIAM WARD  
Def: [REDACTED]

Date Analyzed: 2/22/11

Amount: Subst: SUB  
No. Cont: 1 Cont: pb

Date Rec'd: 11/05/2010

No. Analyzed:

Gross Wt.: 4.26

Net Weight: 2.28

# Tests: 4A5  
• 2CAC

Prelim: Heroin

Findings: Heroin

No. [REDACTED]  
City: Quincy Police Dept.  
Officer: Detective WILLIAM WARD  
Def: [REDACTED]

Date Analyzed: 2/22/11

Amount: Subst: SUB  
No. Cont: 1 Cont: pb

Date Rec'd: 11/05/2010

No. Analyzed:

Gross Wt.: 7.17

Net Weight: 0.51

# Tests: 6A5  
• 2CAC

Prelim: Cocaine

Findings: Cocaine

No. [REDACTED]  
City: Quincy Police Dept.  
Officer: Detective WILLIAM WARD  
Def: [REDACTED]

Date Analyzed: 02-15-11

Amount: 12.5 Subst: TAB  
No. Cont: 1 Cont: pb

Date Rec'd: 11/05/2010

No. Analyzed:

Gross Wt.: 4.28

Net Weight:

# Tests: 1A5L  
PSD

Prelim: E

Findings: Alprazolam

No. [REDACTED]

Date Analyzed:

2/22/11

City: Quincy Police Dept.

Officer: Detective WILLIAM WARD

Def: [REDACTED]

Amount: 15.0 12.5

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 11/05/2010

No. Analyzed:

Gross Wt.: 6.29

Net Weight:

# Tests: 1 A&D  
• 2 KAC

Prelim: Amphetamine B

Findings: Amphetamine

No. [REDACTED]

Date Analyzed:

2/22/11

City: Quincy Police Dept.

Officer: Detective WILLIAM WARD

Def: [REDACTED]

Amount: 3.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 11/05/2010

No. Analyzed:

Gross Wt.: 2.73

Net Weight: 1.17

# Tests: 1 A&D  
• 2 KAC

Prelim: Buprenorphine B

Findings: Buprenorphine

No. [REDACTED]

Date Analyzed: 02-15-11

City: Quincy Police Dept.

Officer: Detective WILLIAM WARD

Def: [REDACTED]

Amount: 1.0

Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 11/05/2010

No. Analyzed:

Gross Wt.: 2.04

Net Weight:

# Tests: 1 A&D  
• 2 KAC

Prelim: E

Findings: Alprazolam

No. [REDACTED]  
City: Quincy Police Dept.  
Officer: Detective WILLIAM WARD  
Def: [REDACTED]

Date Analyzed: 02-15-11

Amount: 1.0  
No. Cont: 1 Cont: pb  
Date Rec'd: 11/05/2010  
Gross Wt.: 2.25

Subst: TAB

No. Analyzed:  
Net Weight:

# Tests: 1 ATL  
ASD

Prelim: E

Findings: Sildenafl

No. [REDACTED]  
City: Quincy Police Dept.  
Officer: Detective WILLIAM WARD  
Def: [REDACTED]

Date Analyzed: 2/22/11

Amount: 1.0  
No. Cont: 1 Cont: pb  
Date Rec'd: 11/05/2010  
Gross Wt.: 2.73

Subst: TAB

No. Analyzed:  
Net Weight:

# Tests: 645  
• 2KAC

Prelim: ?

Findings: Negative

No. [REDACTED]  
City: Quincy Police Dept.  
Officer: Detective WILLIAM WARD  
Def: [REDACTED]

Date Analyzed: 2/28/11

Amount: 1.0  
No. Cont: 1 Cont: pb  
Date Rec'd: 11/05/2010  
Gross Wt.: 2.01

Subst: CAP

No. Analyzed:  
Net Weight:

# Tests: 645  
• 2KAC

Prelim: ?

Findings: Sildenafl

# DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY Quincy ANALYST PJ  
No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ): 2.5915

Beige powdered & shiny  
substance in 1pb

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 2.2827

double bagged

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate (+) \_\_\_\_\_

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

Marquis (+) \_\_\_\_\_

TLTA (-) \_\_\_\_\_

Froehde's (+) \_\_\_\_\_

### OTHER TESTS

Mecke's (+) \_\_\_\_\_

## PRELIMINARY TEST RESULTS

RESULTS heroin

DATE 2-13-11

## GC/MS CONFIRMATORY TEST

RESULTS heroin

MS  
OPERATOR KAC

DATE 2-22-11

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Quincy ANALYST ADJ

No. of samples tested: \_\_\_\_\_ Evidence Wt. \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ): 0.6087

White powdered substance  
in 1 pb

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.5187

also contained pc

double bagged

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate (+)

### Microcrystalline Tests

Gold  
Chloride +

Marquis —

TLTA (+)

Froehde's —

### OTHER TESTS

Mecke's —

## PRELIMINARY TEST RESULTS

RESULTS cocaine

DATE 2-15-11

## GC/MS CONFIRMATORY TEST

RESULTS cocaine

MS  
OPERATOR KAC

DATE 2-22-11

# DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY Quebec ANALYST ABJ

No. of samples tested: \_\_\_\_\_ Evidence Wt. \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ) : \_\_\_\_\_

14 green dual tablet  
n-pb

Gross Wt ( ) : \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 2.2337

S1902  

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

Marquis \_\_\_\_\_

TLTA ( )

Froehde's \_\_\_\_\_

### OTHER TESTS

Mecke's \_\_\_\_\_

MnO2 + HClO4 + ( )

## PRELIMINARY TEST RESULTS

RESULTS Aluminum

DATE 3-15-11

## GC/MS CONFIRMATORY TEST

RESULTS \_\_\_\_\_

MS  
OPERATOR \_\_\_\_\_

DATE \_\_\_\_\_

## Drug Information

**DRUG NAME:** ALPRAZOLAM

**INGREDIENTS:** ALPRAZOLAM -- 1 MG

**Color:** Green

**Shape:** Oval

**Imprint:** S 902 The tablet is imprinted with S to the left of the bisect and 902 to the right of the bisect. , S902 The tablet is imprinted with S to the left of the bisect and 902 to the right of the bisect.

**Form:** Oral Tablet

**Available-Container-Size:** Bottle of 90 , Bottle of 100 , Bottle of 500 , Bottle of 1000

**AAPCC Code:** 007000 -  
Benzodiazepines

**NDC:** 67253-0902-09

67253-0902-10

67253-0902-50

67253-0902-11

**Excipients:** Lactose ; Magnesium Stearate ; Cellulose, Microcrystalline ; Silicon Dioxide ; Sodium Benzoate ; Starch (1500) ; GreenLake Blend ; Crospovidone ; Docusate Sodium

**Regulatory Status:** Schedule IV

**Availability:** United States

**Product ID:** 6828333

**Contact:** Dava Pharmaceuticals

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# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Quincy ANALYST ABG

No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ): \_\_\_\_\_

12.5 Orange Oval tablet Gross Wt ( ): \_\_\_\_\_

17.06 Pkg. Wt: \_\_\_\_\_

Net Wt: 4.3285

-310- -6-974

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

TLTA ( )

### OTHER TESTS

Muonder A 10

## PRELIMINARY TEST RESULTS

RESULTS Ameteketamine

DATE 2-15-11

## GC/MS CONFIRMATORY TEST

RESULTS Ameteketamine

MS  
OPERATOR ICare

DATE 2-22-11

## Drug Information

**DRUG NAME:** DEXTROAMPHETAMINE SACCHARATE, AMPHETAMINE ASPARTATE, DEXTROAMPHETAMINE SULFATE, AMPHETAMINE SULFATE 30 MG TABLET

**INGREDIENTS:** DEXTROAMPHETAMINE SULFATE -- 7.5 MG  
AMPHETAMINE SULFATE -- 7.5 MG  
DEXTROAMPHETAMINE SACCHARATE -- 7.5 MG  
AMPHETAMINE ASPARTATE -- 7.5 MG

**Color:** peach

**NDC:** 00555-0974-02

**Shape:** Oval

**Regulatory Status:** Schedule II

**Imprint:** B; 974; 3; 0

**Availability:** United States

**Form:** Tablet

**Product ID:** 6235447

**Available-Container-Size:** Bottle of  
100

**Contact:** Barr Laboratories

**AAPCC Code:** 001000 -  
Amphetamines and Related  
Compounds

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# DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY Quincy ANALYST ADJ

No. of samples tested: \_\_\_\_\_ Evidence Wt. \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ): \_\_\_\_\_

3 orange hexagonal tablets  
17.125 Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 1.1750



## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

TLTA ( )

### OTHER TESTS

Murphy A-10

## PRELIMINARY TEST RESULTS

RESULTS Buprenorphine

DATE 2-15-11

## GC/MS CONFIRMATORY TEST

RESULTS Buprenorphine

MS  
OPERATOR KAE

DATE 2-22-11

## Drug Information

**DRUG NAME:** SUBOXONE TABLET

**INGREDIENTS:** BUPRENORPHINE -- 8 MG  
NALOXONE -- 2 MG

**Color:** orange

**NDC:** 12496-1306-02

**Shape:** Six-sided

**Regulatory Status:** Schedule III

**Imprint:** N8 Sword Logo

**Availability:** United States

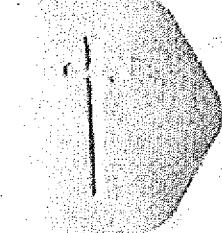
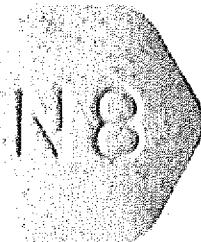
**Form:** Sublingual Tablet

**Product ID:** 6370996

**Available-Container-Size:** Bottle of 30

**Contact:** Reckitt Benckiser  
Pharmaceuticals

**AAPCC Code:** 200625 -  
Buprenorphine



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# DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY Quincy ANALYST ASO

No. of samples tested: \_\_\_\_\_ Evidence Wt: \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ): \_\_\_\_\_

1 White rectangular tablet Gross Wt ( ): \_\_\_\_\_

17-25

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.2589

6/3/2012

1111

## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

TLTA ( )

### OTHER TESTS

Muscadine A (R)

## PRELIMINARY TEST RESULTS

RESULTS Alprazolam

DATE 02-15-11

## GC/MS CONFIRMATORY TEST

RESULTS \_\_\_\_\_

MS  
OPERATOR \_\_\_\_\_

DATE \_\_\_\_\_

## Drug Information

**DRUG NAME:** ALPRAZOLAM

**INGREDIENTS:** ALPRAZOLAM -- 2 MG

**Color:** white

**Shape:** oblong, quadrisectioned scored

**Imprint:** G; 3722

**Form:** Tablet

**Available-Container-Size:** Bottle of 500 , Bottle of 100

**AAPCC Code:** 007000 - Benzodiazepines

**NDC:** 59762-3722-03

59762-3722-01

**Excipients:** Silicon Dioxide ; Lactose ; Cellulose ; corn starch ; Docusate Sodium ; Magnesium Stearate ; Sodium Benzoate

**Regulatory Status:** Schedule IV

**Availability:** United States

**Product ID:** 5274321

**Contact:** Greenstone

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# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Quincy ANALYST AS

No. of samples tested: \_\_\_\_\_ Evidence Wt. ✓ \_\_\_\_\_

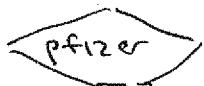
PHYSICAL DESCRIPTION: Gross Wt ( ): \_\_\_\_\_

1 blue diamond shaped  
tablet in a pb.

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.6261 \_\_\_\_\_



## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( ) \_\_\_\_\_

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

TLTA ( ) \_\_\_\_\_

### OTHER TESTS

Manganese A 10 \_\_\_\_\_

## PRELIMINARY TEST RESULTS

RESULTS sudan紅 \_\_\_\_\_

DATE 2-25-11 \_\_\_\_\_

## GC/MS CONFIRMATORY TEST

RESULTS \_\_\_\_\_

MS  
OPERATOR \_\_\_\_\_

DATE \_\_\_\_\_

## Drug Information

**DRUG NAME:** VIAGRA

**INGREDIENTS:** SILDENAFIL CITRATE -- 100 MG

**Color:** blue

**NDC:** 00069-4220-30

**Shape:** Diamond , rounded

**Excipients:** microcrystalline cellulose ; dibasic calcium phosphate (ANHYDROUS) ; Croscarmellose

**Imprint:** Vgr; 100; Pfizer

Sodium ; Magnesium

**Form:** coated tablet

Stearate ; hydroxypropyl

**Available-Container-Size:** Bottle of 30

methylcellulose ; Titanium

**AAPCC Code:** 777774 - Other Types  
of Vasodilator

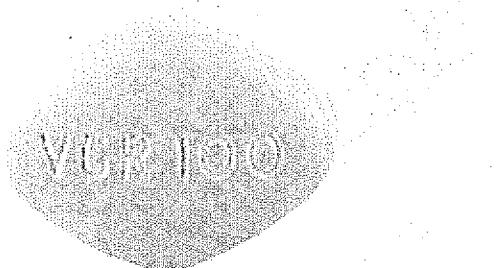
Dioxide ; Lactose ; Triacelin ; FD&C  
Blue No. 2 (LAKE)

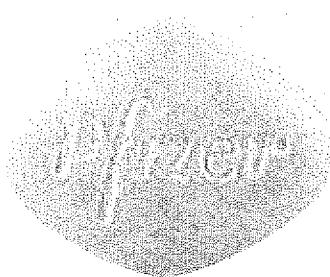
**Regulatory Status:** RX

**Availability:** United States

**Product ID:** 5685114

**Contact:** Pfizer





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# DRUG POWDER ANALYSIS FORM

SAMPLE # XXXXXXXXXX AGENCY Quebec ANALYST ASJ

No. of samples tested: \_\_\_\_\_ Evidence Wt. \_\_\_\_\_

PHYSICAL DESCRIPTION: Gross Wt ( ): \_\_\_\_\_

1 white oval tablet

~ 40

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 1.09612



## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( )

Marquis

Froehde's

Mecke's

### Microcrystalline Tests

Gold  
Chloride

TLTA ( )

### OTHER TESTS

DVA = -

GC +

## PRELIMINARY TEST RESULTS

RESULTS Unknown

DATE 2-15-11

## GC/MS CONFIRMATORY TEST

RESULTS Negative

MS  
OPERATOR KAC

DATE 2-22-11

# DRUG POWDER ANALYSIS FORM

SAMPLE # [REDACTED] AGENCY Quincy ANALYST A37

No. of samples tested: \_\_\_\_\_ Evidence Wt. \_\_\_\_\_

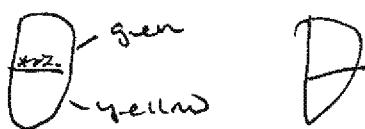
PHYSICAL DESCRIPTION: Gross Wt ( ): \_\_\_\_\_

1 open + yellow capsule  
7-12

Gross Wt ( ): \_\_\_\_\_

Pkg. Wt: \_\_\_\_\_

Net Wt: 0.2609



## PRELIMINARY TESTS

### Spot Tests

Cobalt  
Thiocyanate ( - ) -

Marquis \_\_\_\_\_

Froehde's \_\_\_\_\_

Mecke's \_\_\_\_\_

### Microcrystalline Tests

Gold  
Chloride \_\_\_\_\_

TLTA ( ) \_\_\_\_\_

### OTHER TESTS

Dilute - \_\_\_\_\_

GC + \_\_\_\_\_

## PRELIMINARY TEST RESULTS

RESULTS Barium

DATE 2-15-11

## GC/MS CONFIRMATORY TEST

RESULTS Sulufenafil

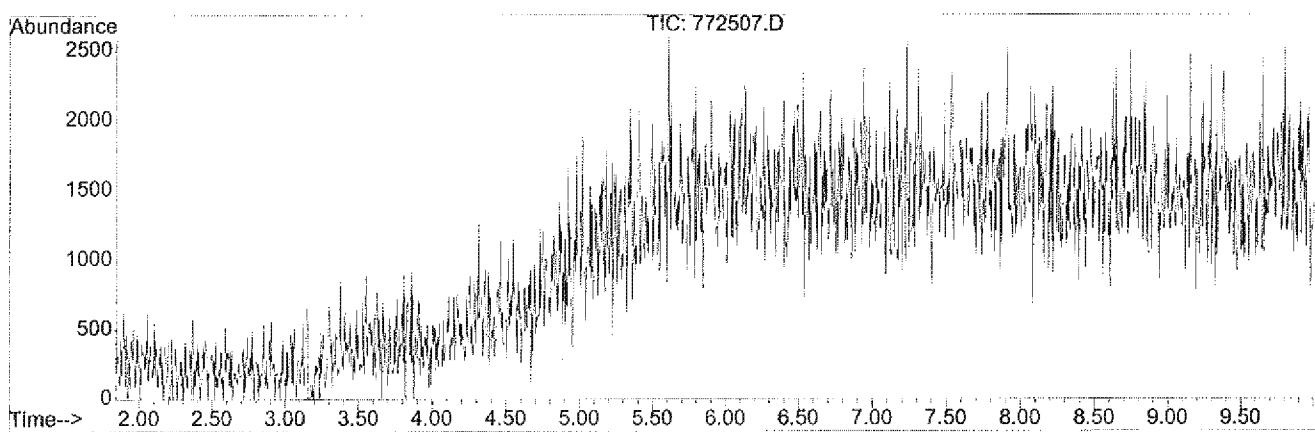
MS  
OPERATOR LCAC

DATE 2-20-11

✓ RAE  
9/19/11

## Information from Data File:

File Name : D:\SYSTEM4\02\_17\_11\772507.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 11:52  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

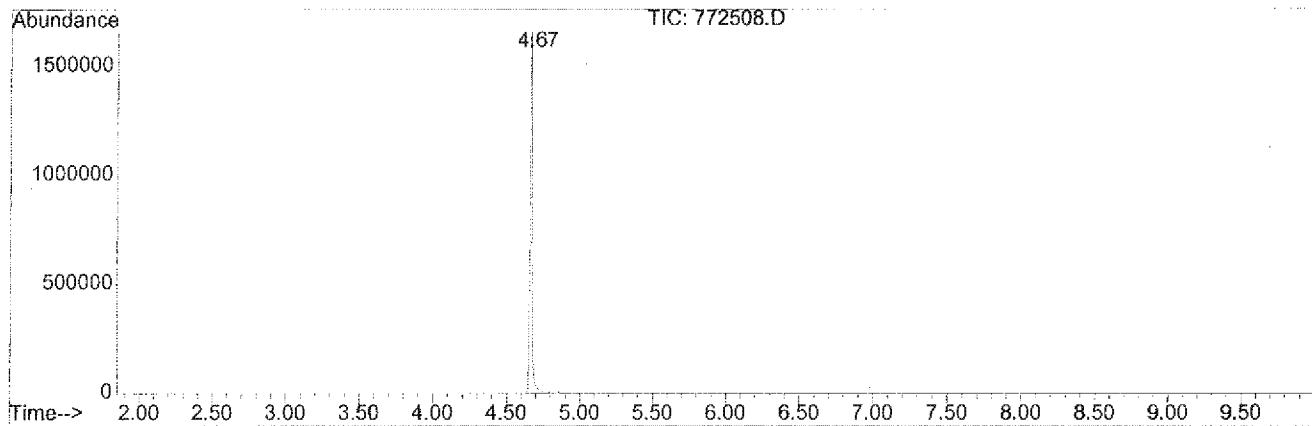
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772508.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 12:06  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 8  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



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Ret. Time	Area	Area %	Ratio %
4.666	1775087	100.00	100.00

---

# Area Percent / Library Search Report

---

**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772508.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 12:06  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 8  
AcquisitionMeth: DRUGS  
Integrator : RTE

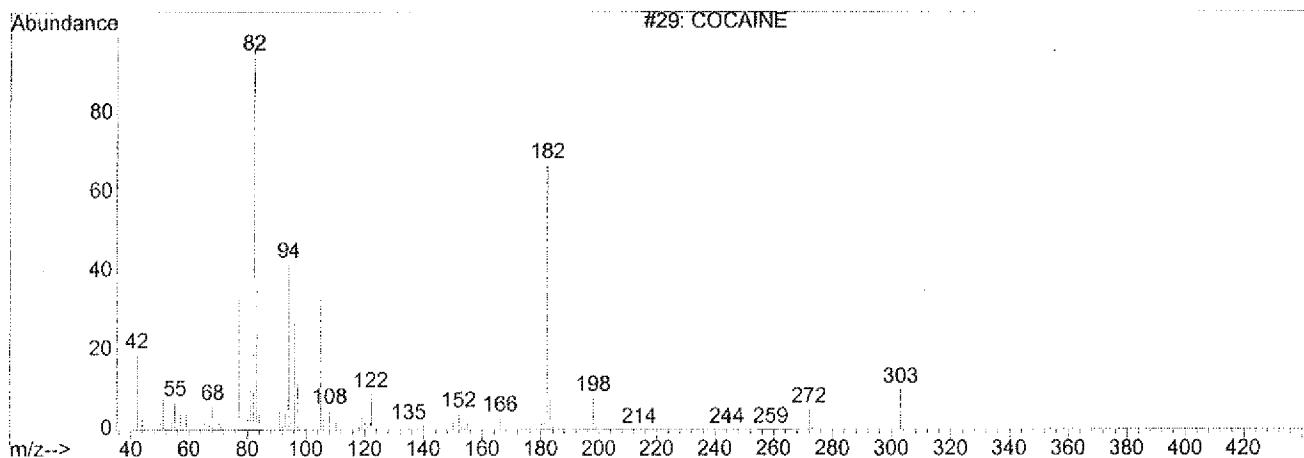
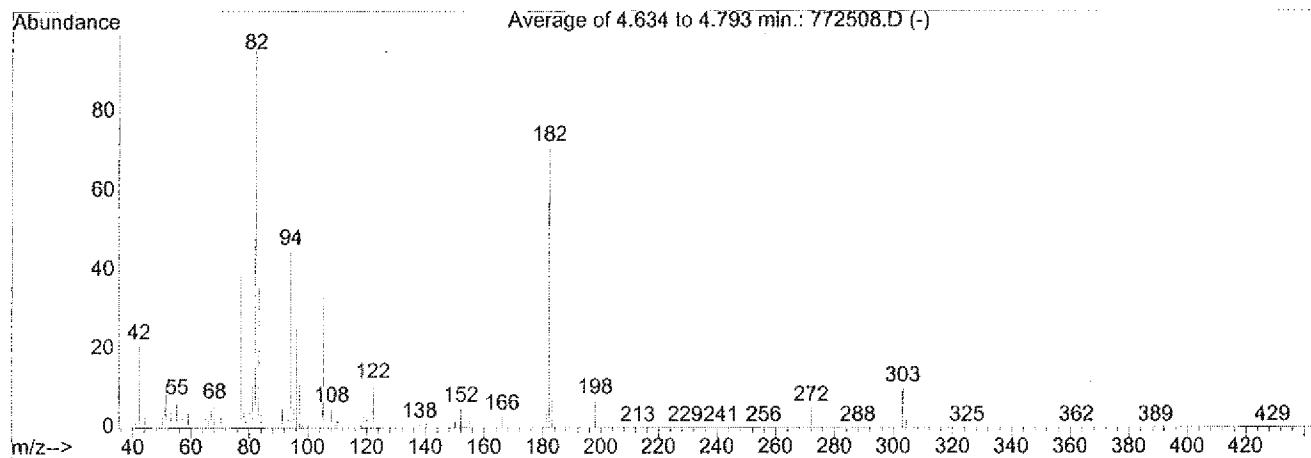
---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

---

PK#	RT	Library/ID	CAS#	Qual
1	4.67	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

---



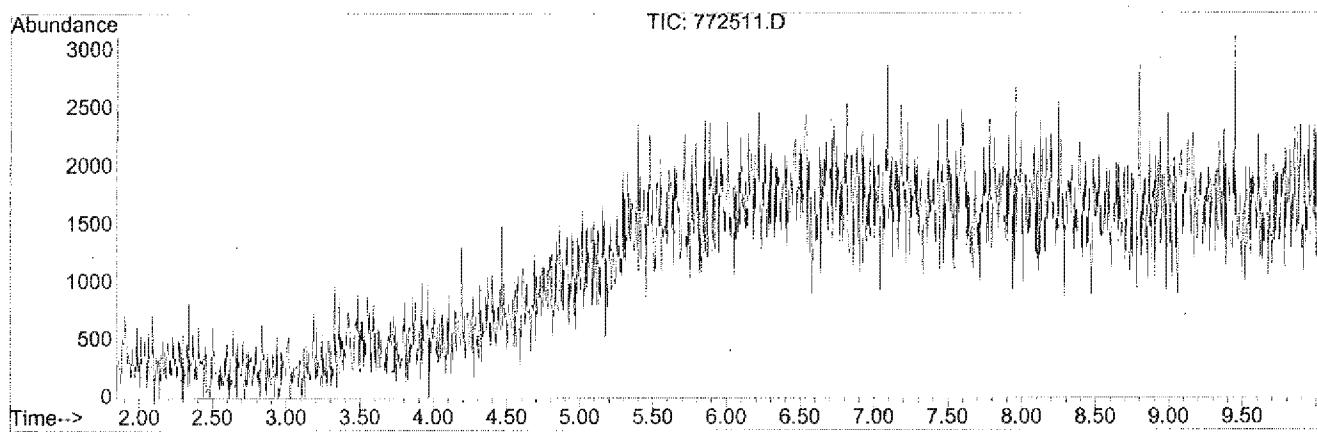
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772511.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 12:46  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

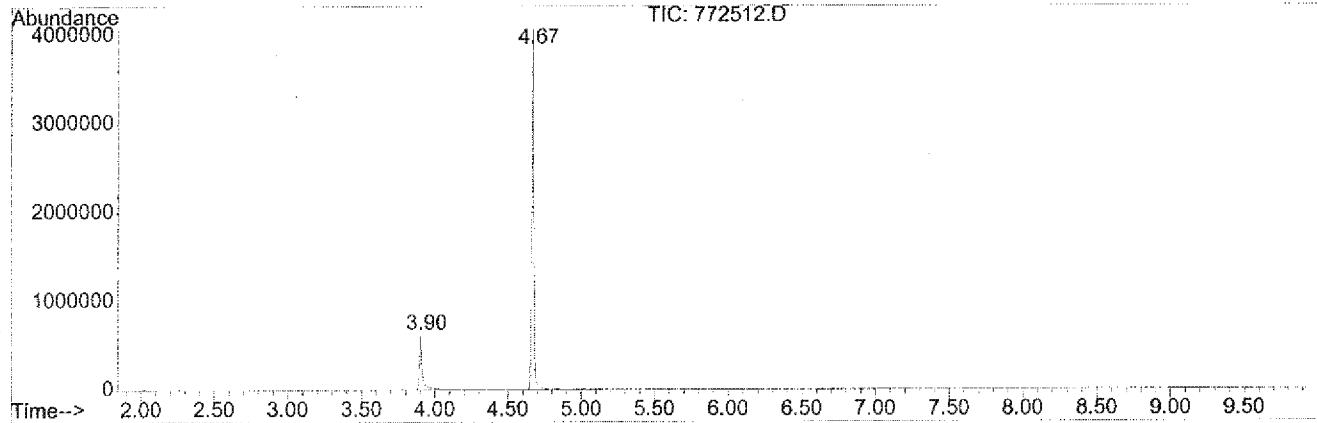
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772512.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 13:00  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 12  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



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Ret. Time	Area	Area %	Ratio %
3.901	842541	17.09	20.62
4.668	4086325	82.91	100.00

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# Area Percent / Library Search Report

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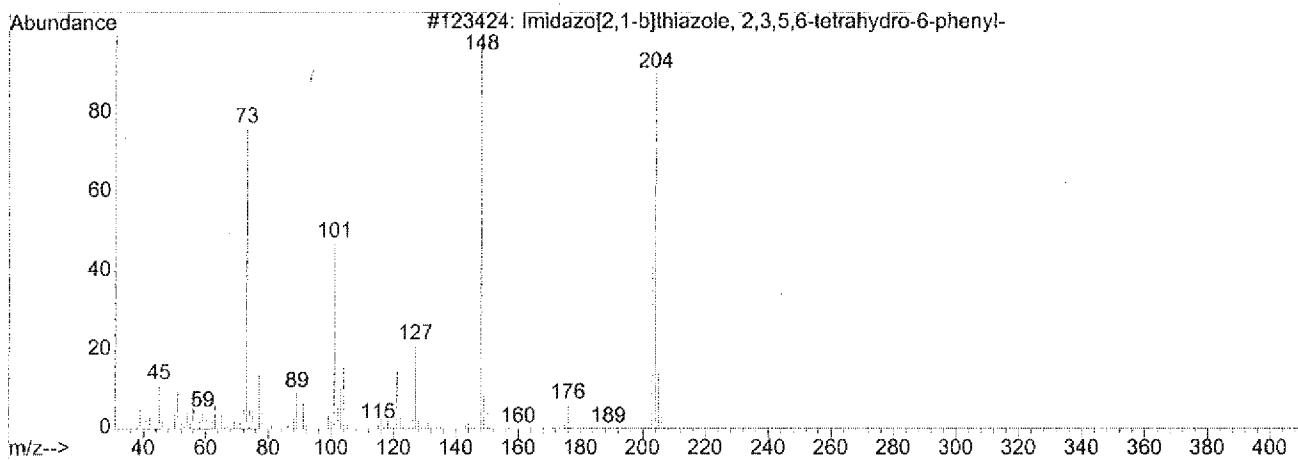
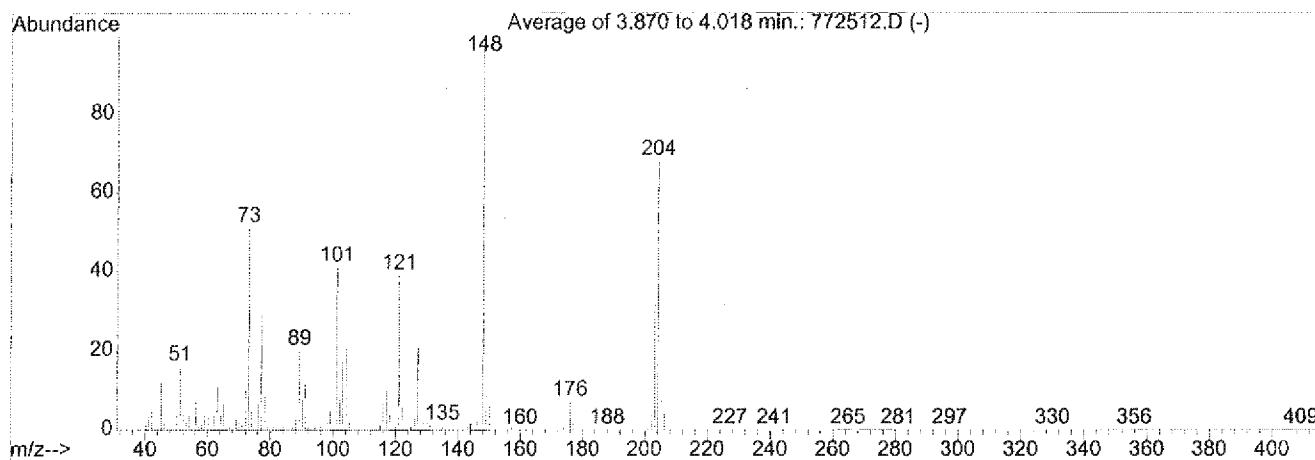
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772512.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 13:00  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 12  
AcquisitionMeth: DRUGS  
Integrator : RTE

---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.90	C:\DATABASE\NIST98.L		
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97
		Imidazo[2,1-b]thiazole, 2,3,5,6-tet	006649-23-6	97



# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772512.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 13:00  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 12  
AcquisitionMeth: DRUGS  
Integrator : RTE

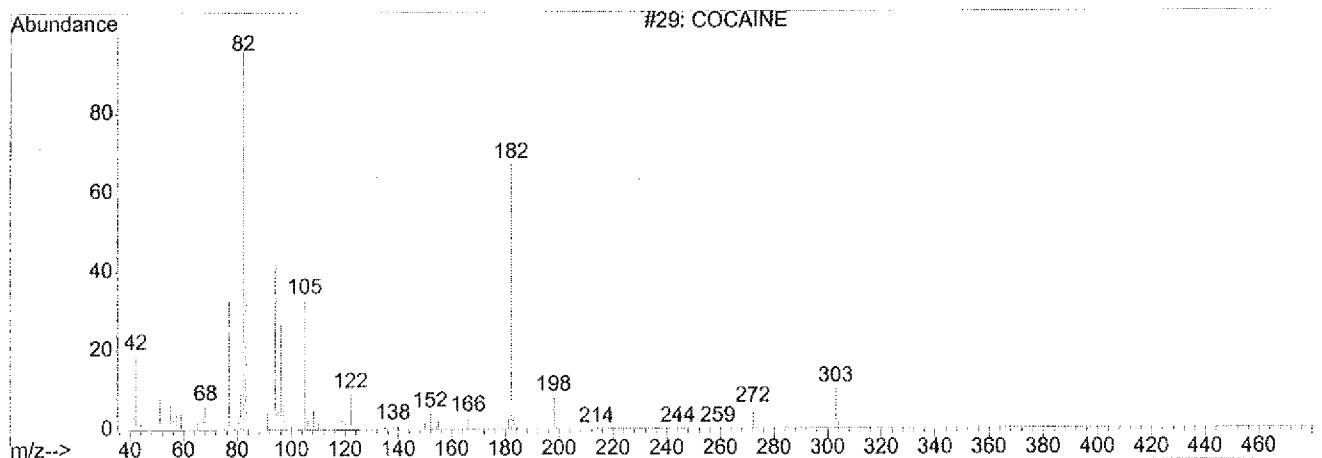
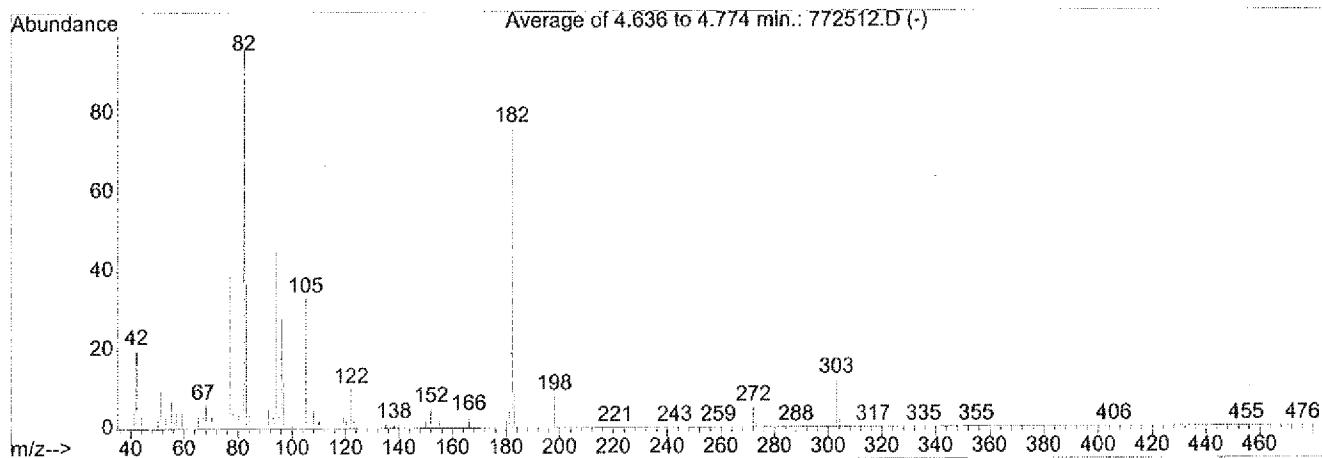
---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

---

PK#	RT	Library/ID	CAS#	Qual
2	4.67	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

---



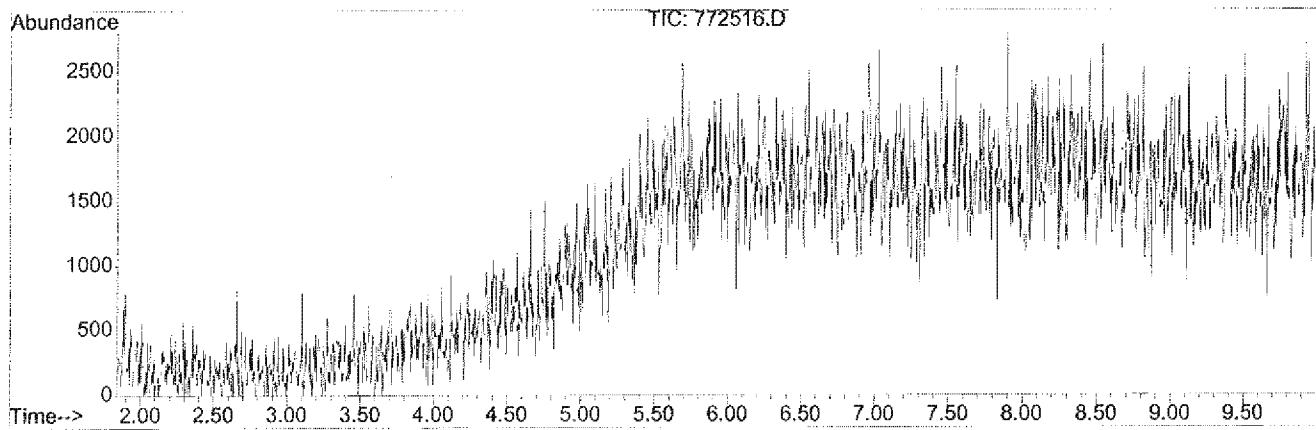
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772516.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 13:55  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

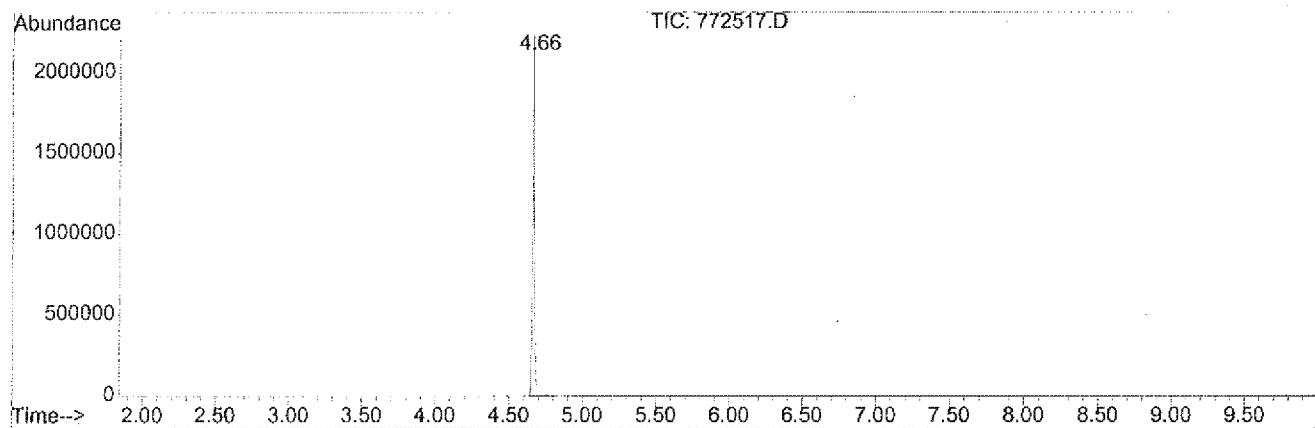
# Area Percent / Library Search Report

---

Information from Data File:

File Name : D:\SYSTEM4\02\_17\_11\772517.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 14:08  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 8  
AcquisitionMeth: DRUGS  
Integrator : RTE

---



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Ret. Time	Area	Area %	Ratio %
4.663	2069270	100.00	100.00

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# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772517.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 14:08  
Sample Name : COCAINE STD  
Submitted by :  
Vial Number : 8  
AcquisitionMeth: DRUGS  
Integrator : RTE

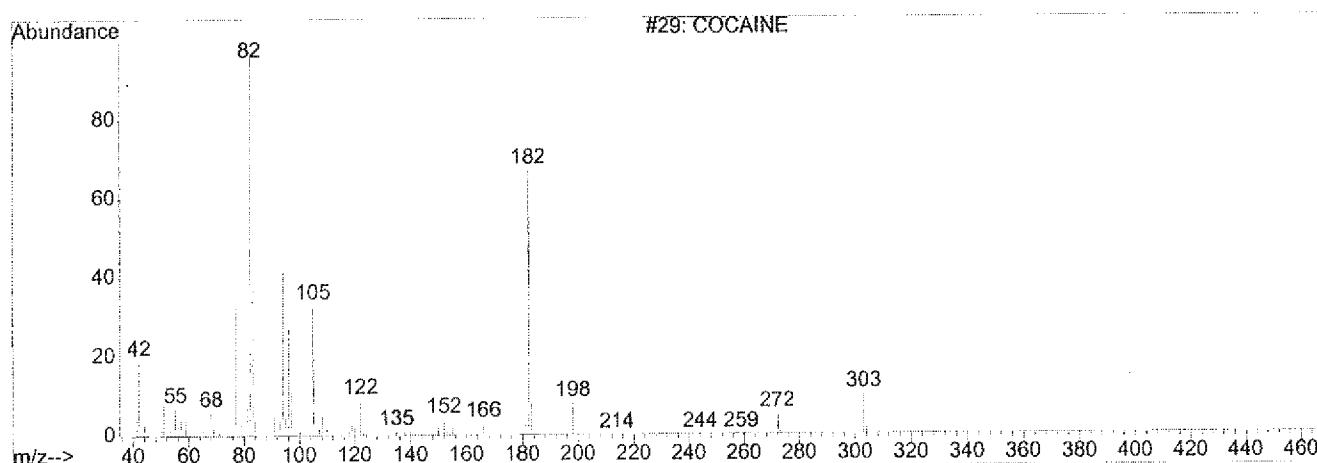
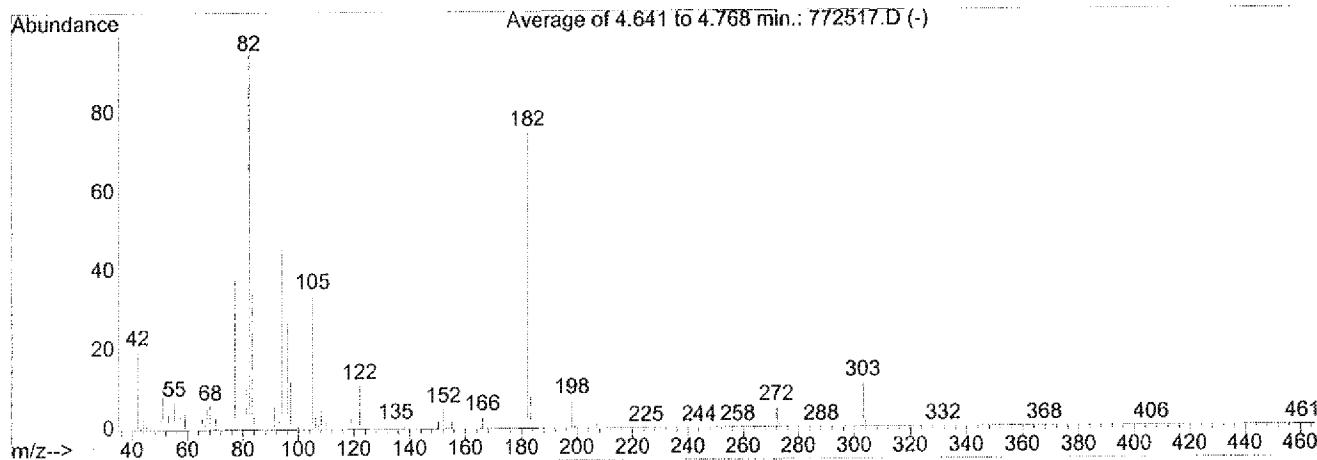
---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

---

PK#	RT	Library/ID	CAS#	Qual
1	4.66	C:\DATABASE\SLI.L COCAINE	000050-36-2	99

---



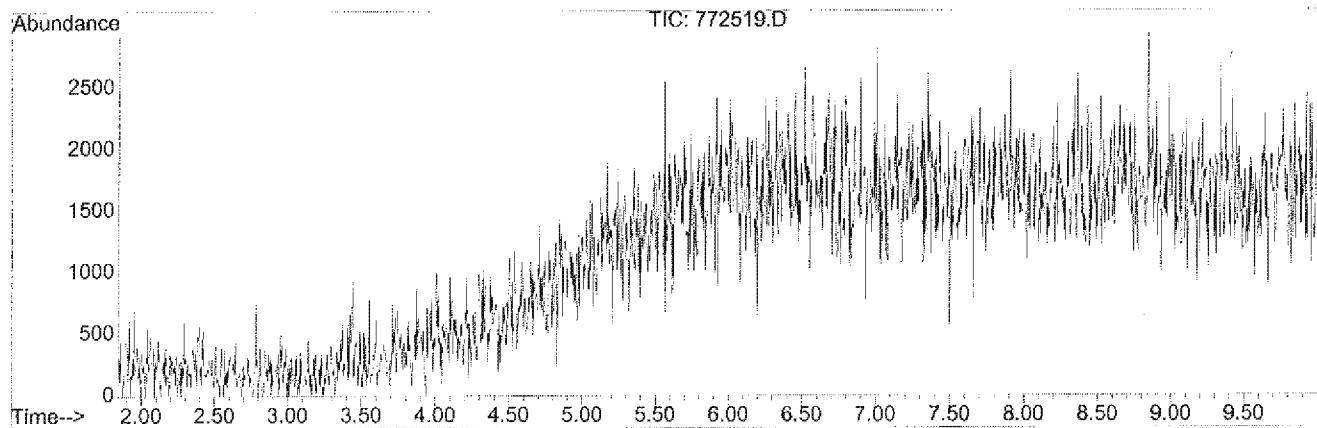
# Area Percent / Library Search Report

---

**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772519.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 14:35  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

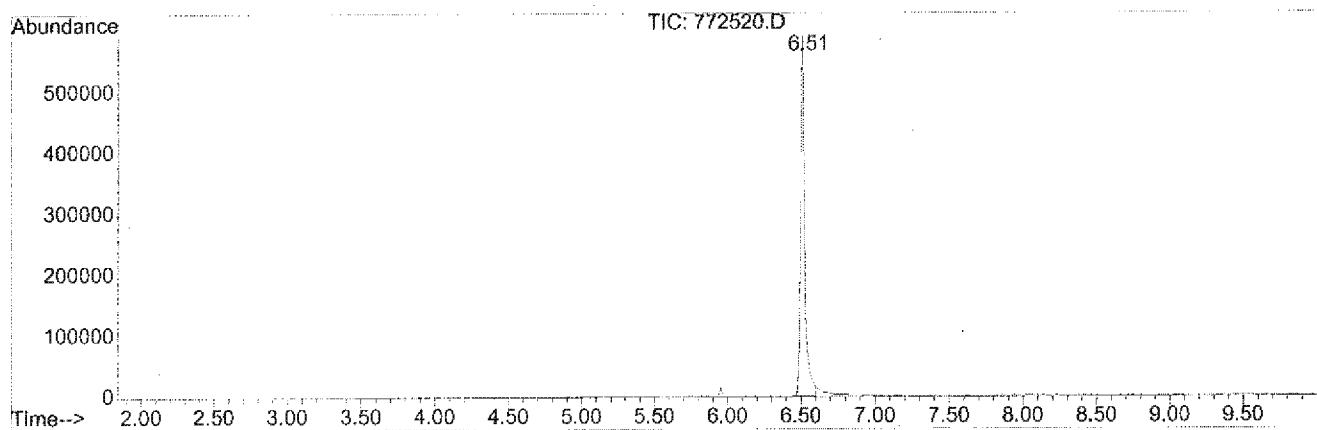
# Area Percent / Library Search Report

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Information from Data File:

File Name : D:\SYSTEM4\02\_17\_11\772520.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 14:49  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 20  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.509	1125152	100.00	100.00

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# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772520.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 14:49  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 20  
AcquisitionMeth: DRUGS  
Integrator : RTE

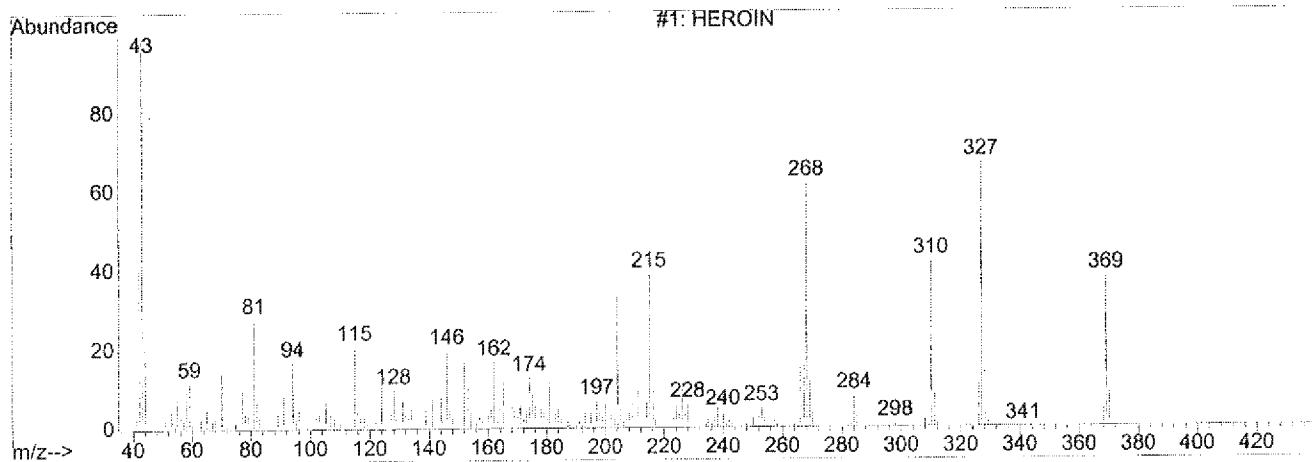
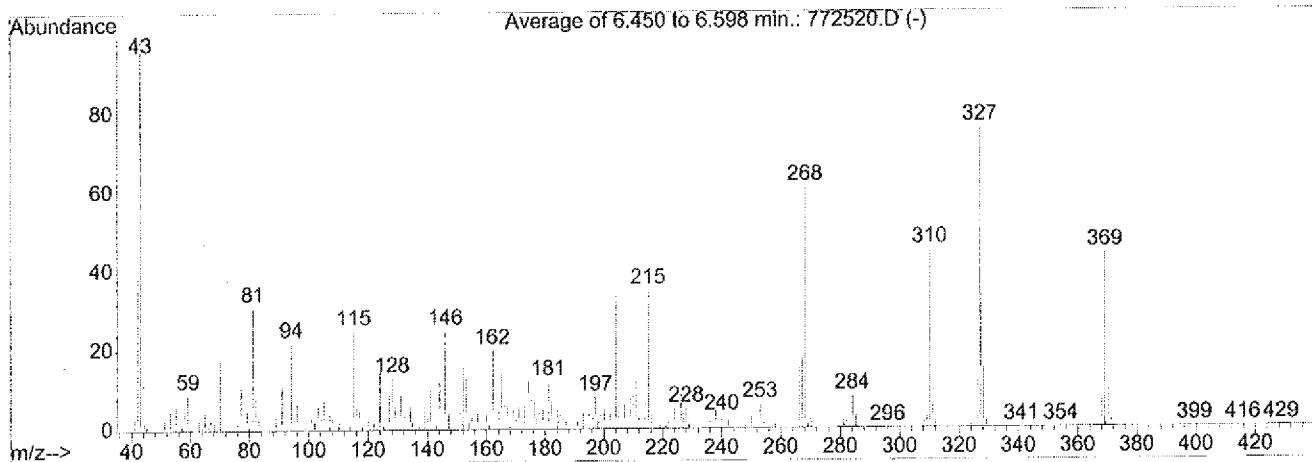
---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

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PK#	RT	Library/ID	CAS#	Qual
1	6.51	C:\DATABASE\SLI.L HEROIN	000561-27-3	99

---



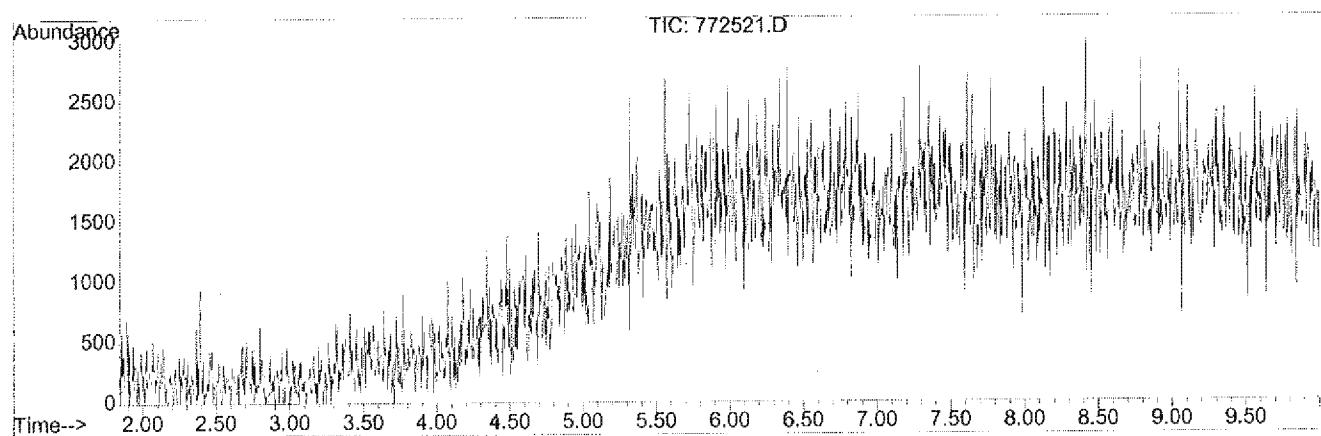
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772521.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 15:03  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

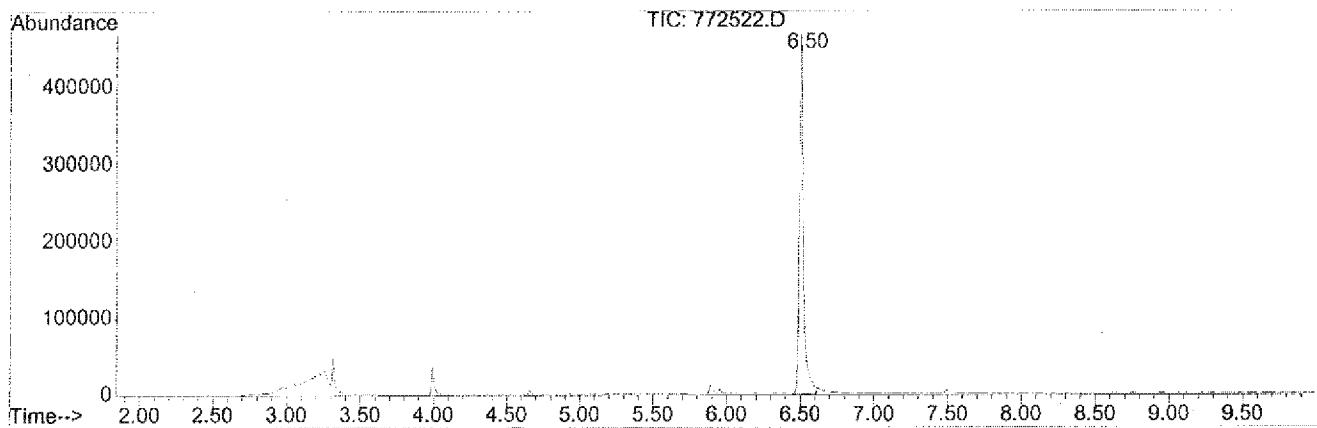
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772522.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 15:16  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 22  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.503	883532	100.00	100.00

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# Area Percent / Library Search Report

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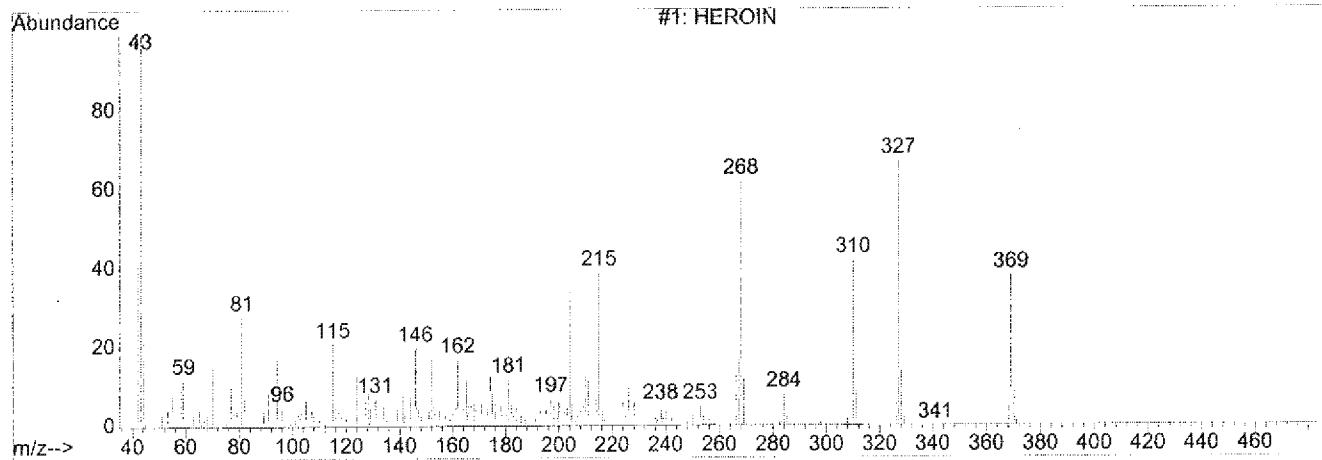
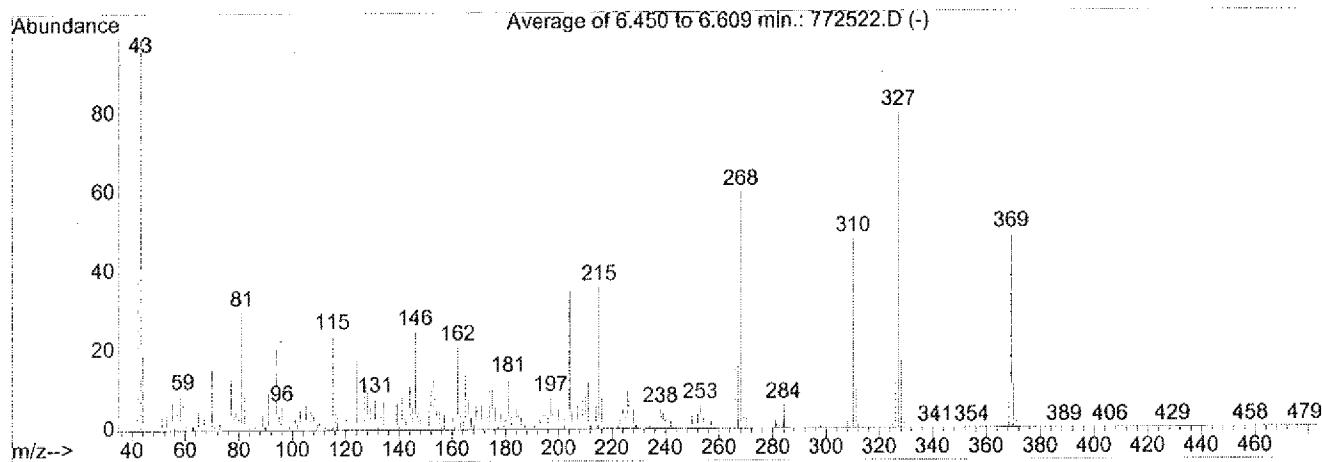
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772522.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 15:16  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 22  
AcquisitionMeth: DRUGS  
Integrator : RTE

---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	6.50	C:\DATABASE\SLI.L HEROIN	000561-27-3	99



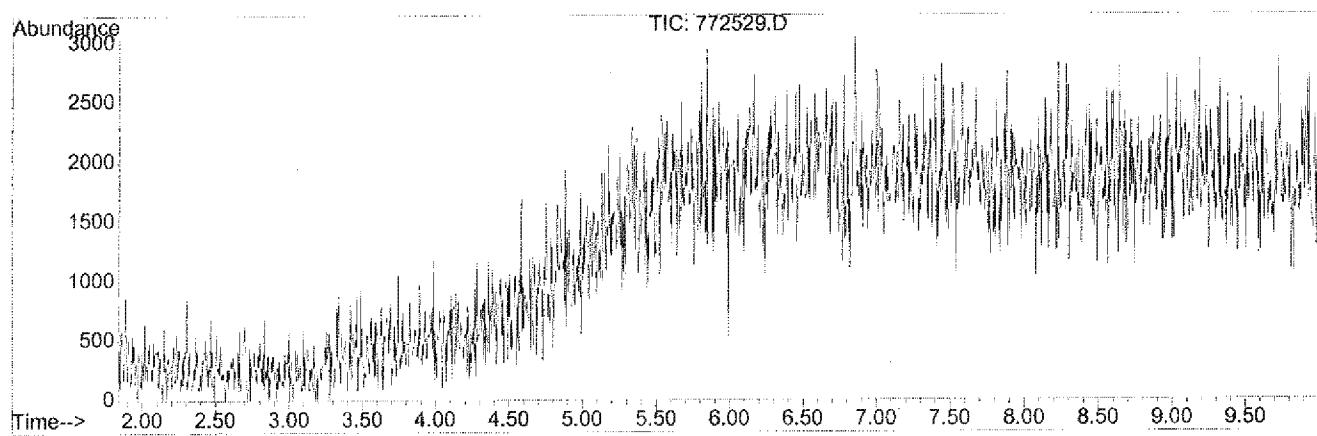
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772529.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 16:51  
Sample Name : BLANK  
Submitted by :  
Vial Number : 1  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

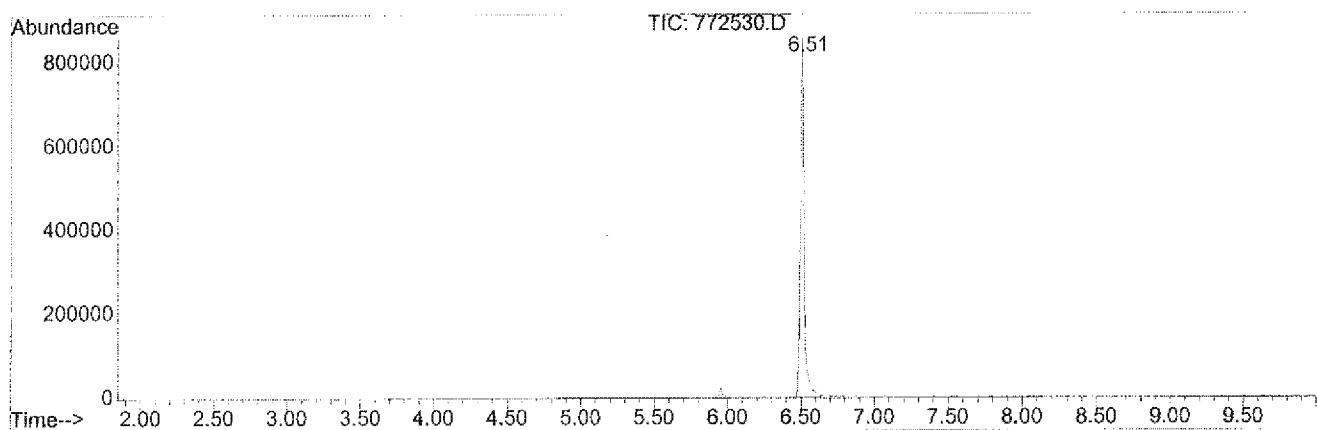
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772530.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 17:04  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 20  
AcquisitionMeth: DRUGS  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.505	1458898	100.00	100.00

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# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772530.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 17:04  
Sample Name : HEROIN STD  
Submitted by :  
Vial Number : 20  
AcquisitionMeth: DRUGS  
Integrator : RTE

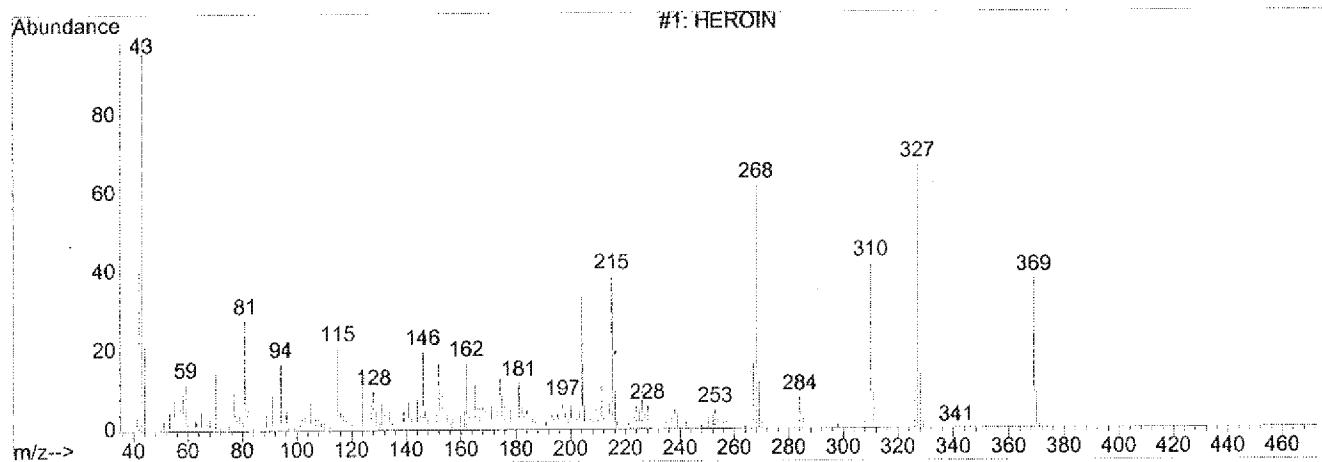
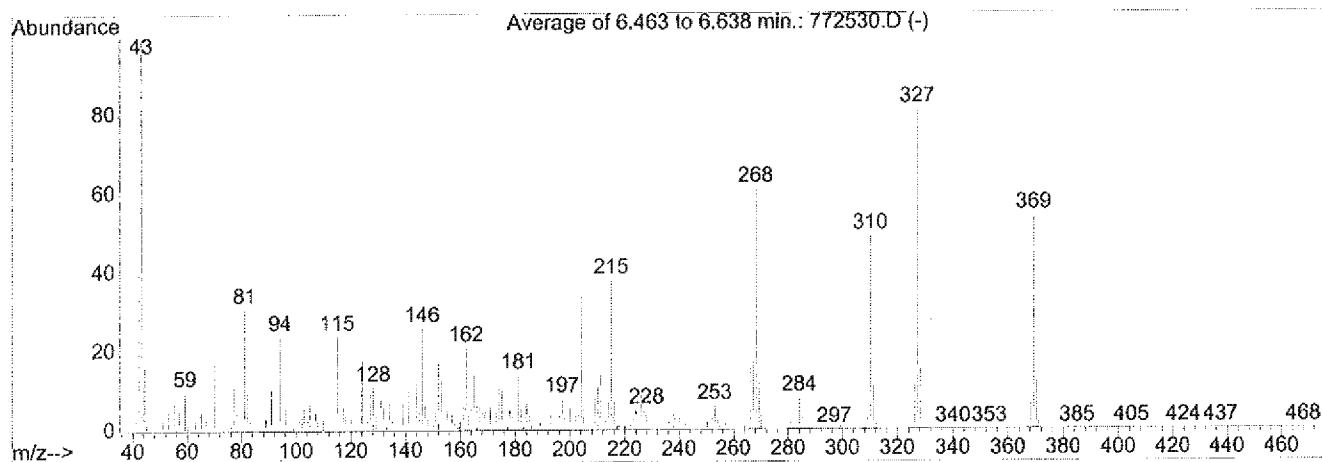
---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

---

PK#	RT	Library/ID	CAS#	Qual
1	6.51	C:\DATABASE\SLI.L HEROIN	000561-27-3	99

---



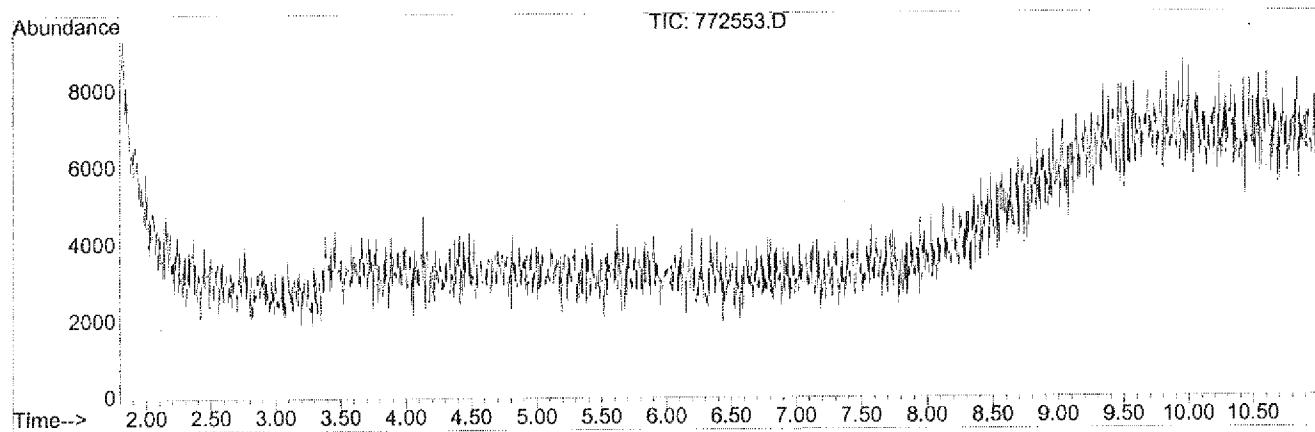
# Area Percent / Library Search Report

---

**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772553.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 22:19  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: SPEED  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

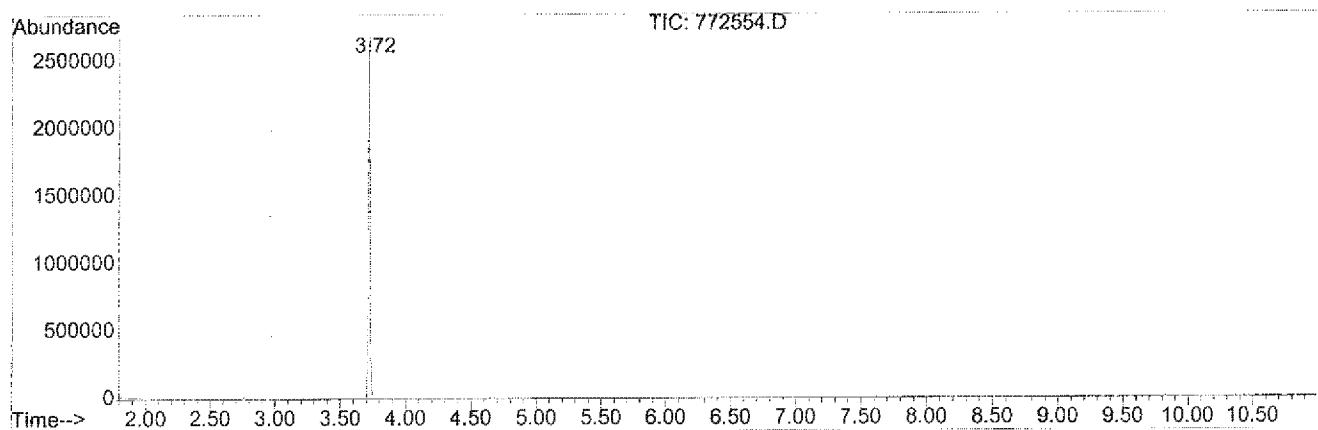
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772554.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 22:34  
Sample Name : AMPHETAMINE STD  
Submitted by :  
Vial Number : 54  
AcquisitionMeth: SPEED  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.718	2458296	100.00	100.00

---

# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772554.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 22:34  
Sample Name : AMPHETAMINE STD  
Submitted by :  
Vial Number : 54  
AcquisitionMeth: SPEED  
Integrator : RTE

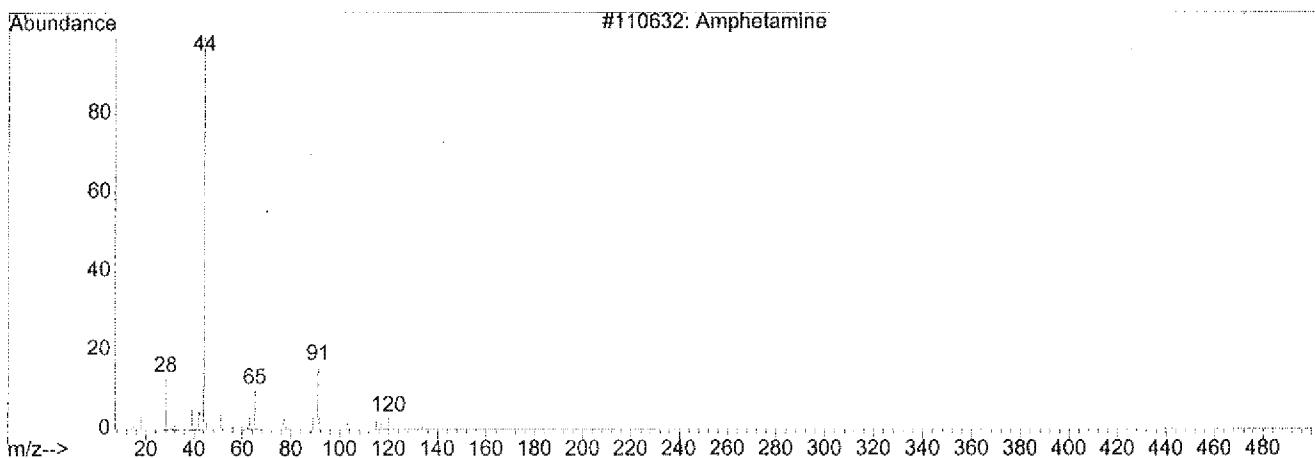
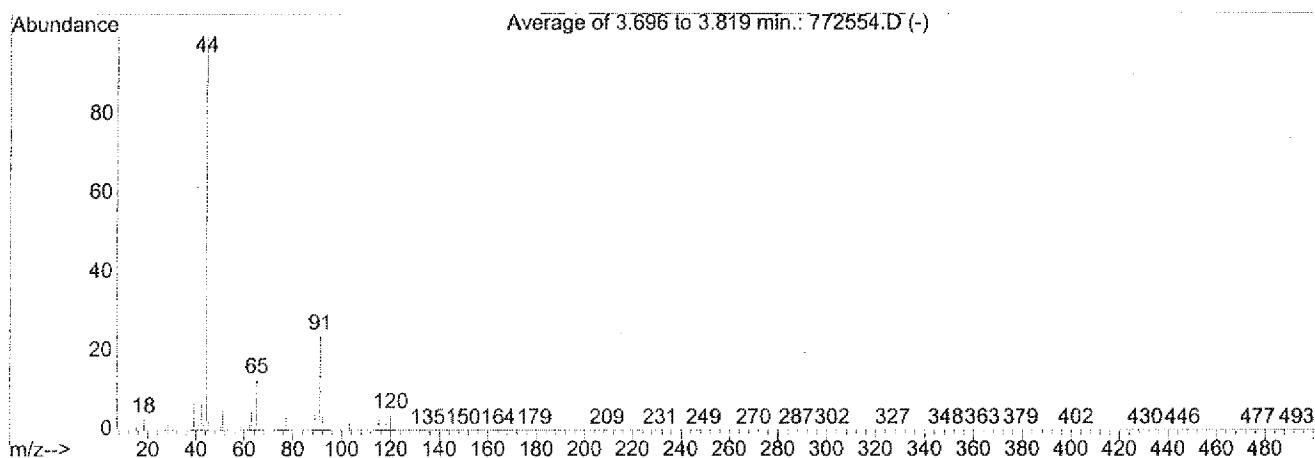
---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

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PK#	RT	Library/ID	CAS#	Qual
1	3.72	C:\DATABASE\NIST98.L		
		Amphetamine	000300-62-9	90
		Benzeneethanamine, .alpha.-methyl-	000060-15-1	83
		Amphetamine	000300-62-9	78

---



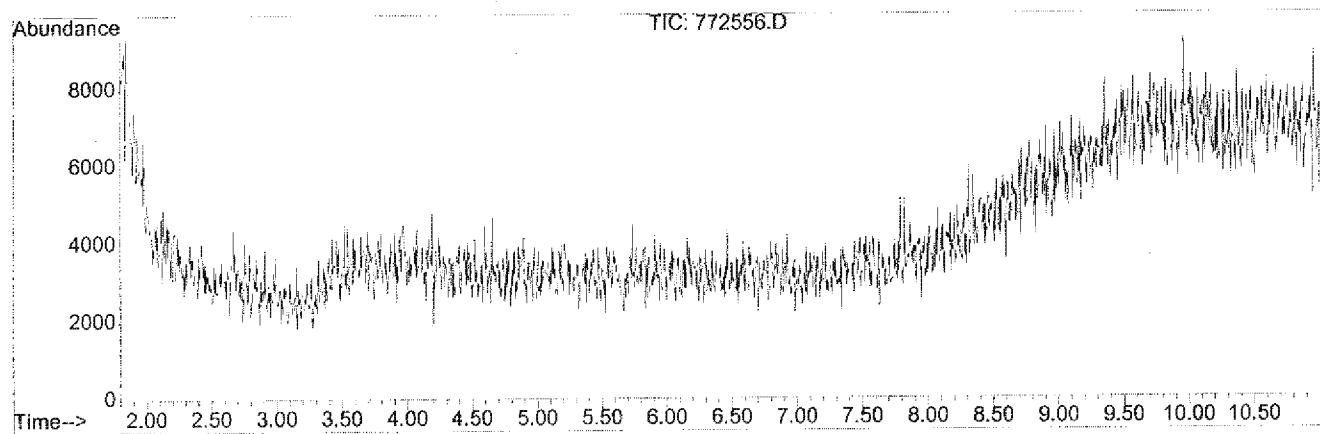
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772556.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 23:04  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: SPEED  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

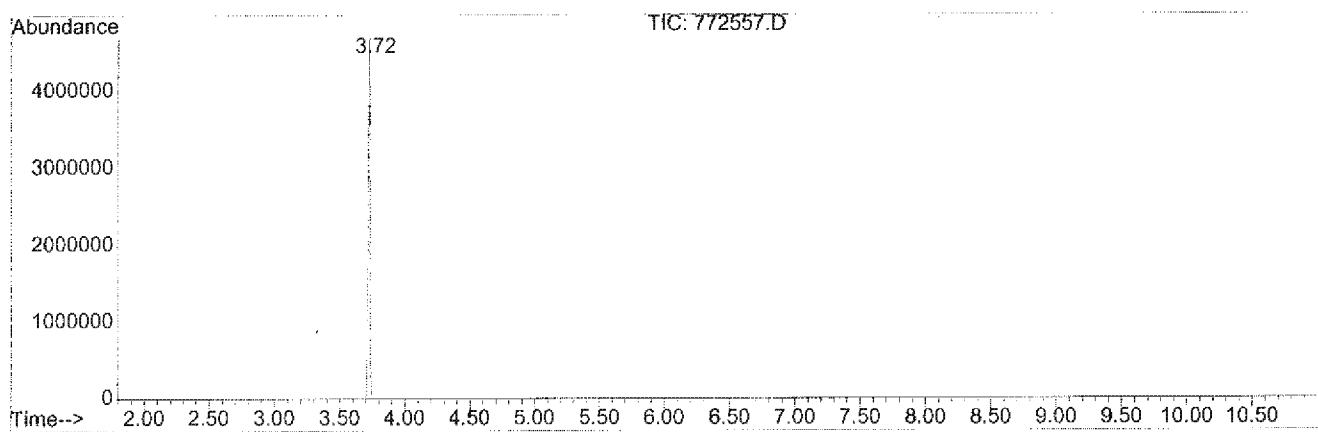
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772557.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 23:19  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 57  
AcquisitionMeth: SPEED  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.725	5081443	100.00	100.00

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# Area Percent / Library Search Report

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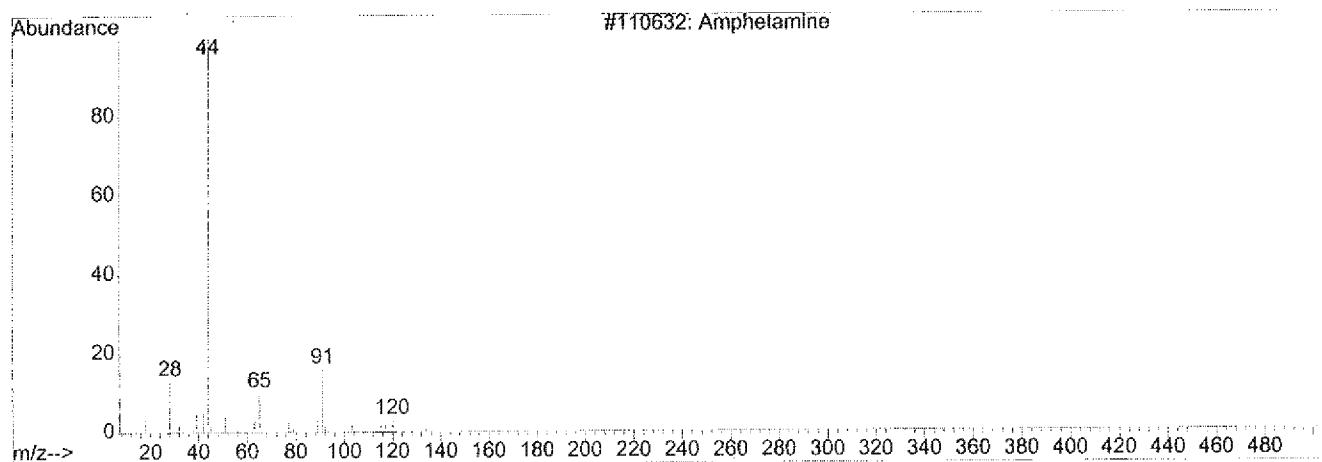
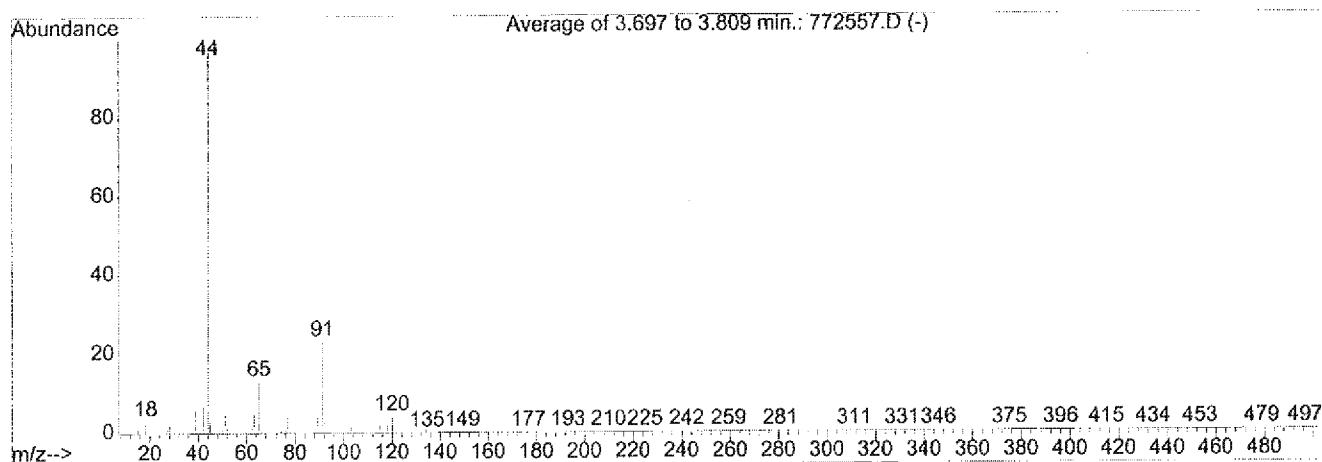
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772557.D  
Operator : P. PIRO  
Date Acquired : 17 Feb 2011 23:19  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 57  
AcquisitionMeth: SPEED  
Integrator : RTE

---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.72	C:\DATABASE\NIST98.L		
		Amphetamine	000300-62-9	90
		Dextroamphetamine	000051-64-9	83
		Benzeneethanamine, .alpha.-methyl-	000060-15-1	83



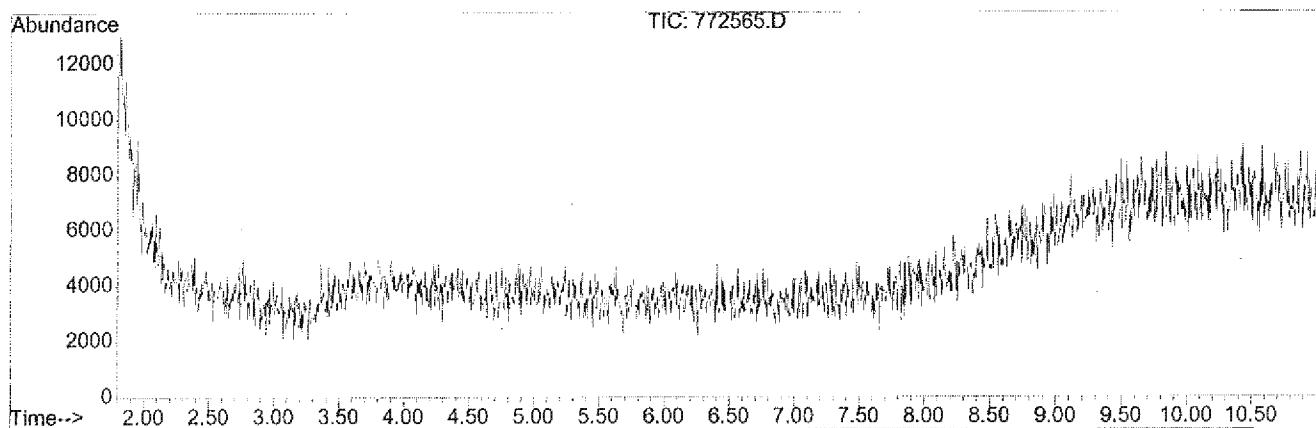
# Area Percent / Library Search Report

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Information from Data File:

File Name : D:\SYSTEM4\02\_17\_11\772565.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 1:17  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: SPEED  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

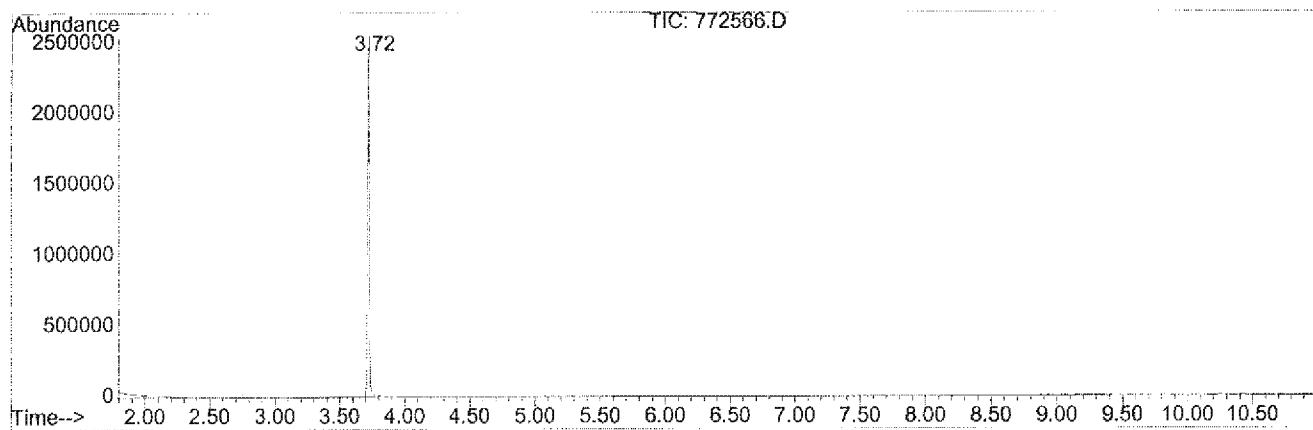
# Area Percent / Library Search Report

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## Information from Data File:

File Name : D:\SYSTEM4\02\_17\_11\772566.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 1:32  
Sample Name : AMPHETAMINE STD  
Submitted by :  
Vial Number : 54  
AcquisitionMeth: SPEED  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
3.719	2480018	100.00	100.00

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# Area Percent / Library Search Report

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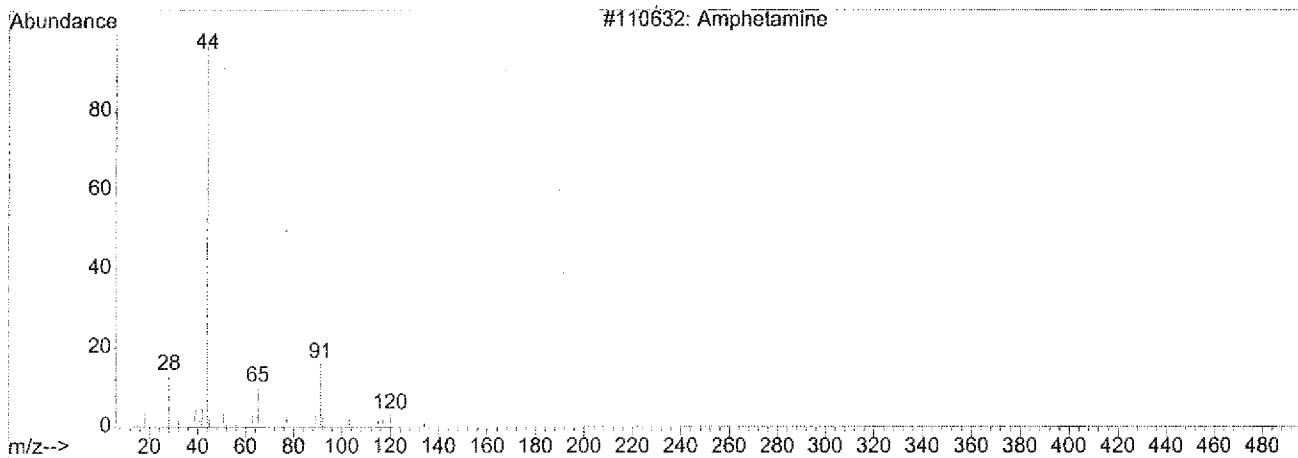
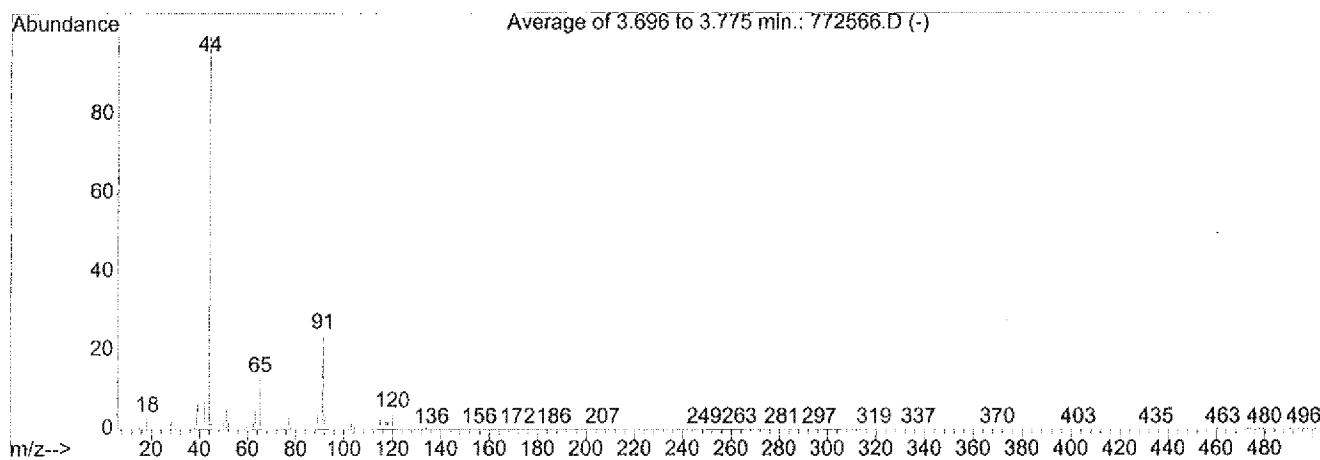
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772566.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 1:32  
Sample Name : AMPHETAMINE STD  
Submitted by :  
Vial Number : 54  
AcquisitionMeth: SPEED  
Integrator : RTE

---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	3.72	C:\DATABASE\NIST98.L		
		Amphetamine	000300-62-9	90
		Dextroamphetamine	000051-64-9	83
		Benzeneethanamine, .alpha.-methyl-	000060-15-1	83



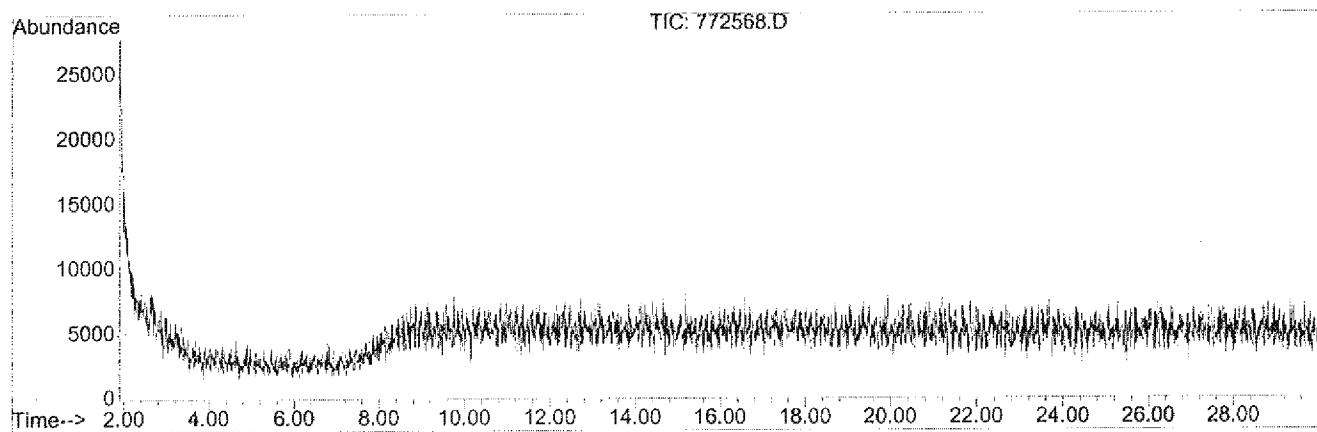
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772568.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 2:22  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

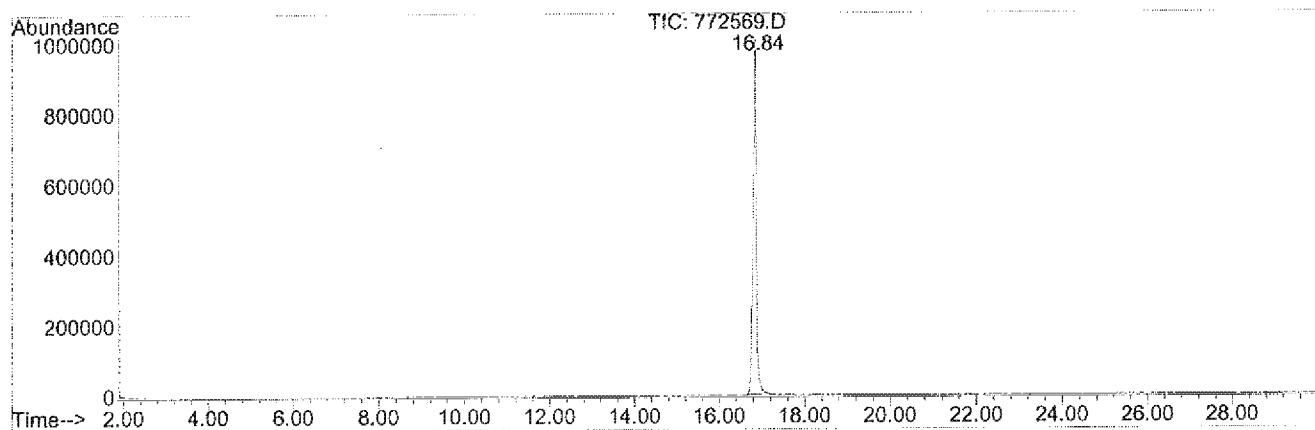
# Area Percent / Library Search Report

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Information from Data File:

File Name : D:\SYSTEM4\02\_17\_11\772569.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 2:56  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 69  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
16.838	5071854	100.00	100.00

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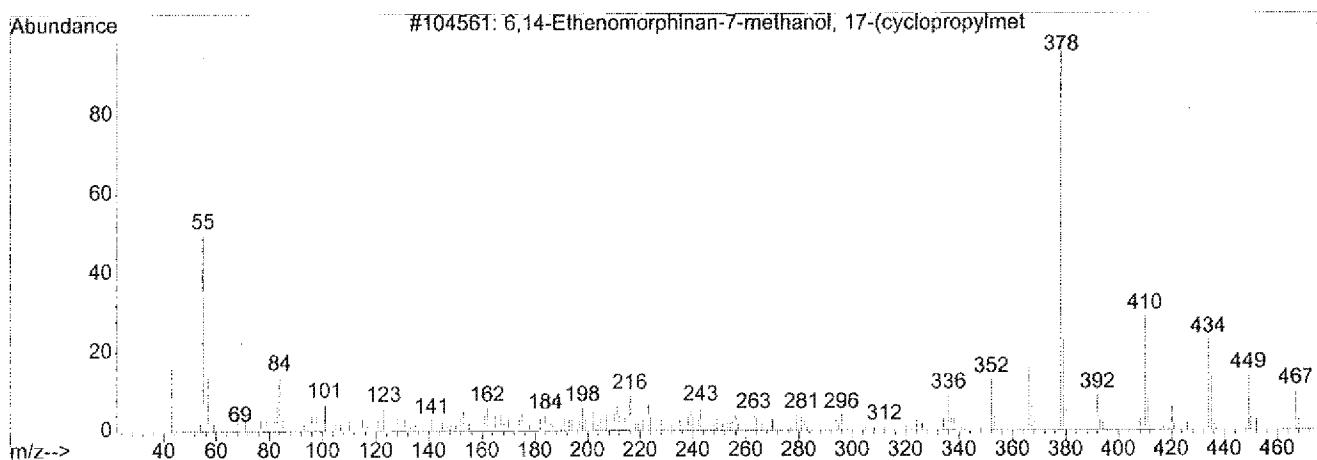
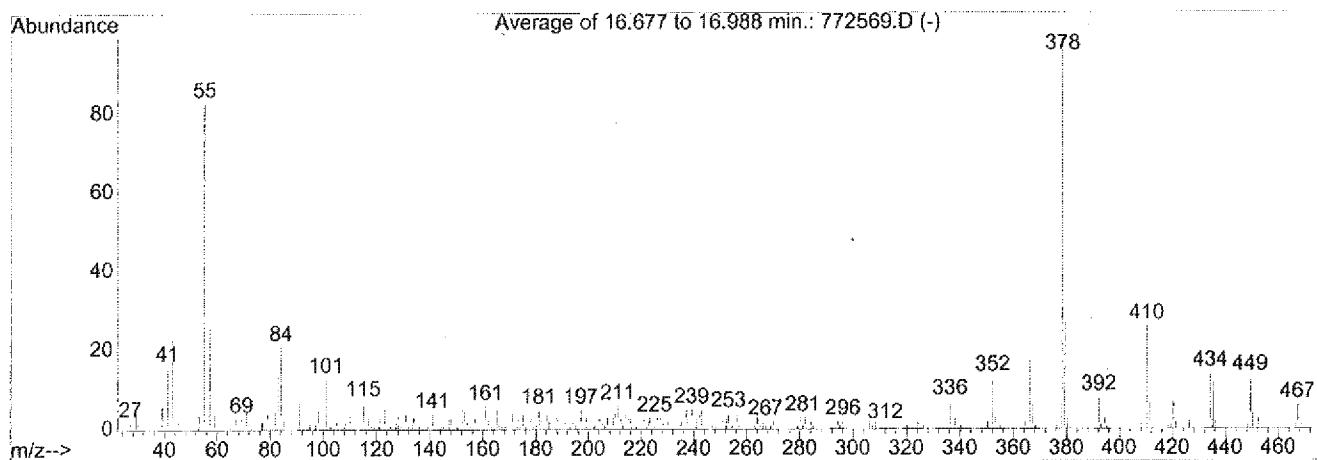
# Area Percent / Library Search Report

**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772569.D  
 Operator : P. PIRO  
 Date Acquired : 18 Feb 2011 2:56  
 Sample Name : BUPRENORPHINE STD  
 Submitted by :  
 Vial Number : 69  
 AcquisitionMeth: WSCREEN  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
                   C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
                   C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	16.84	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95
		10-Methoxycamptothecin	019685-10-0	50



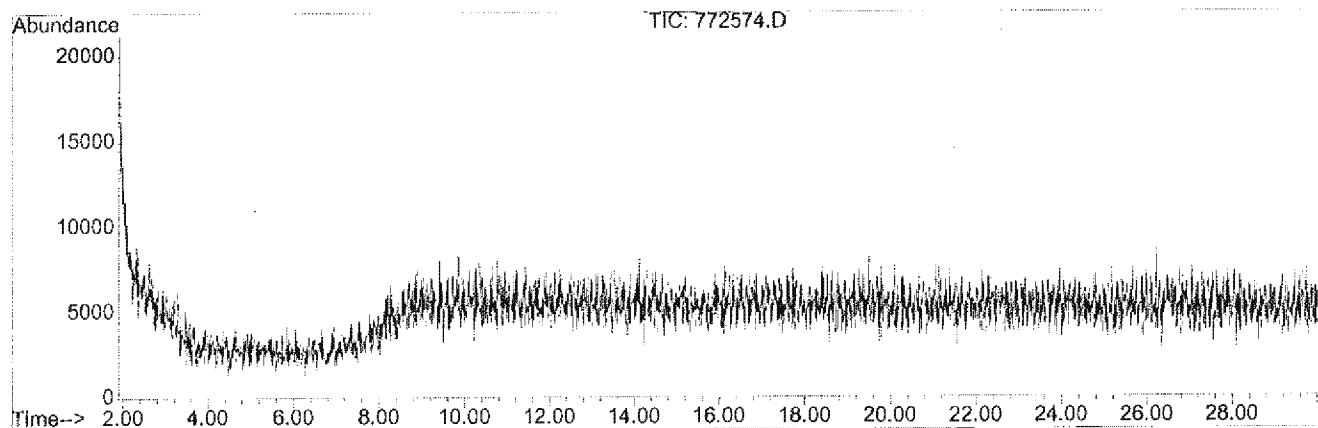
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772574.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 5:47  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

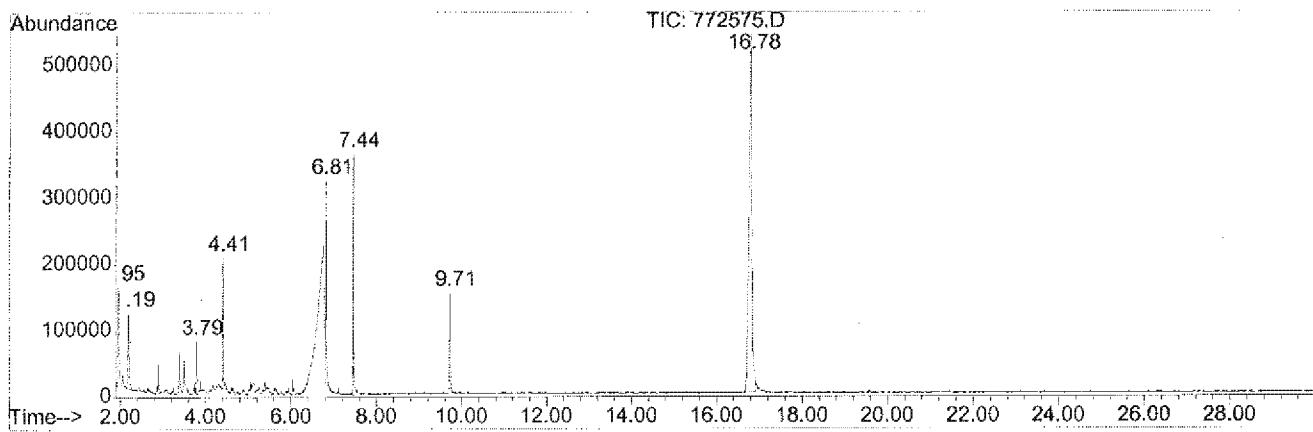
# Area Percent / Library Search Report

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## Information from Data File:

File Name : D:\SYSTEM4\02\_17\_11\772575.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 6:22  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 75  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
1.947	290927	6.76	11.73
2.186	213161	4.95	8.59
3.790	111804	2.60	4.51
4.406	224213	5.21	9.04
6.811	337261	7.83	13.60
7.445	408588	9.49	16.47
9.712	238219	5.53	9.60
16.777	2480535	57.62	100.00

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# Area Percent / Library Search Report

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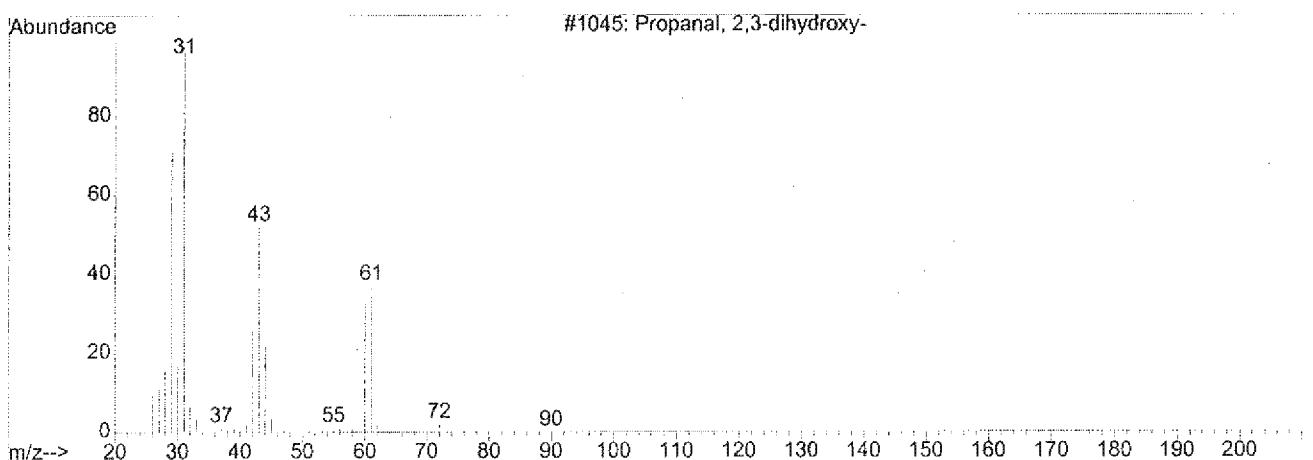
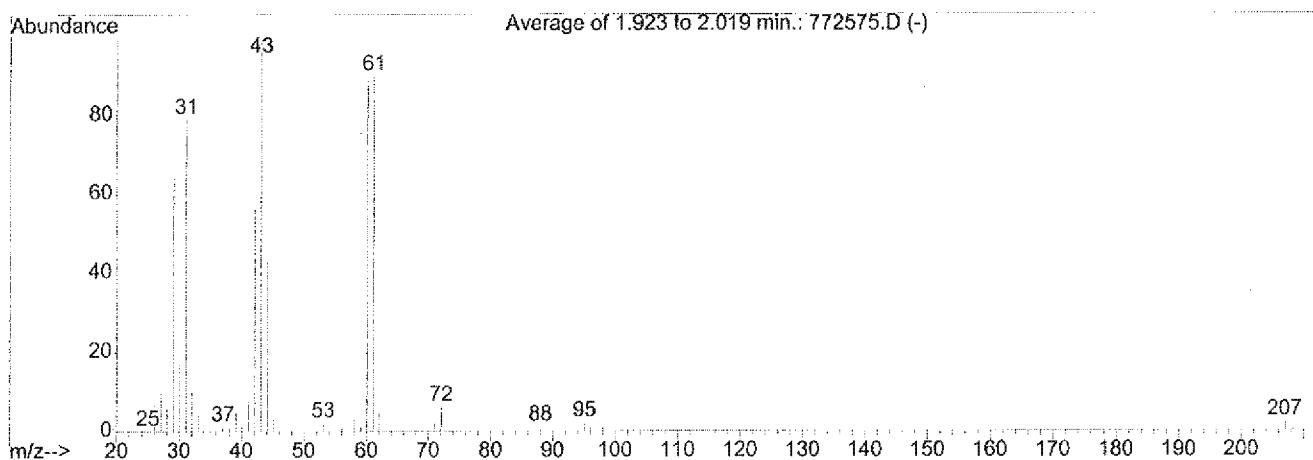
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772575.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 6:22  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 75  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	1.95	C:\DATABASE\NIST98.L		
		Propanal, 2,3-dihydroxy-	000367-47-5	83
		1,2-Ethanediol, diformate	000629-15-2	43
		Glycerin	000056-81-5	43



# Area Percent / Library Search Report

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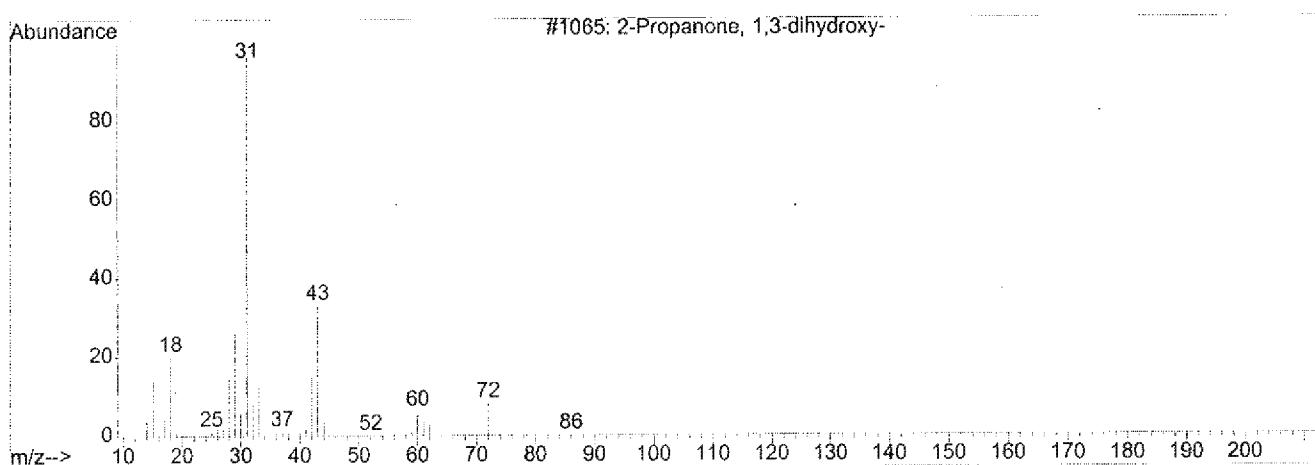
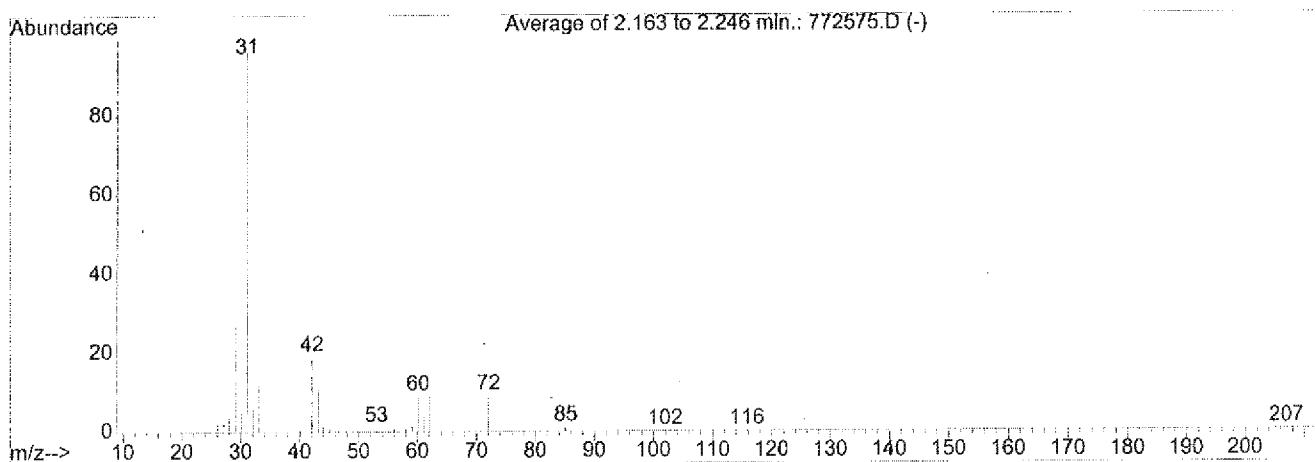
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772575.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 6:22  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 75  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	2.19	C:\DATABASE\NIST98.L		
		2-Propanone, 1,3-dihydroxy-	000096-26-4	64
		1-Propanol	000071-23-8	9
		1,2-Ethanediol	000107-21-1	9



# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772575.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 6:22  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 75  
AcquisitionMeth: WSCREEN  
Integrator : RTE

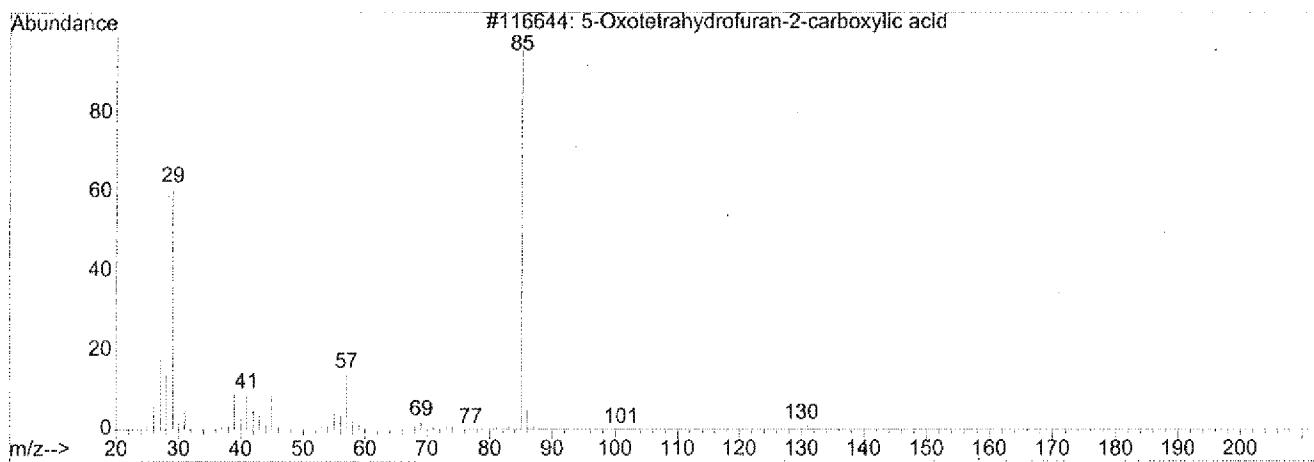
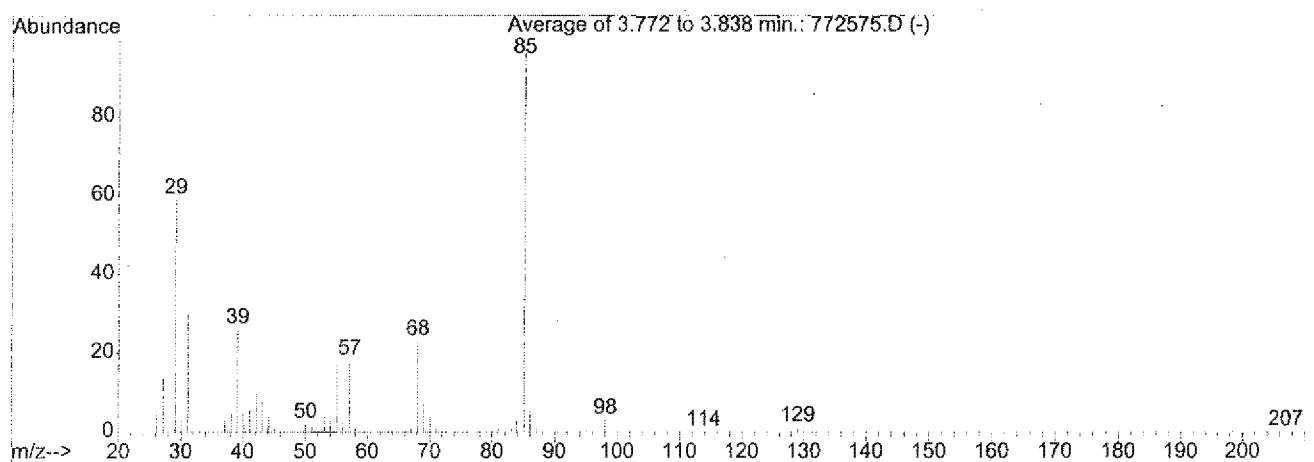
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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

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PK#	RT	Library/ID	CAS#	Qual
3	3.79	C:\DATABASE\NIST98.L		
		5-Oxotetrahydrofuran-2-carboxylic acid	004344-84-7	53
		2 (3H)-Furanone, dihydro-5-propyl-	000105-21-5	50
		(S)-(+)-2',3'-Dideoxyribonolactone	032780-06-6	45

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# Area Percent / Library Search Report

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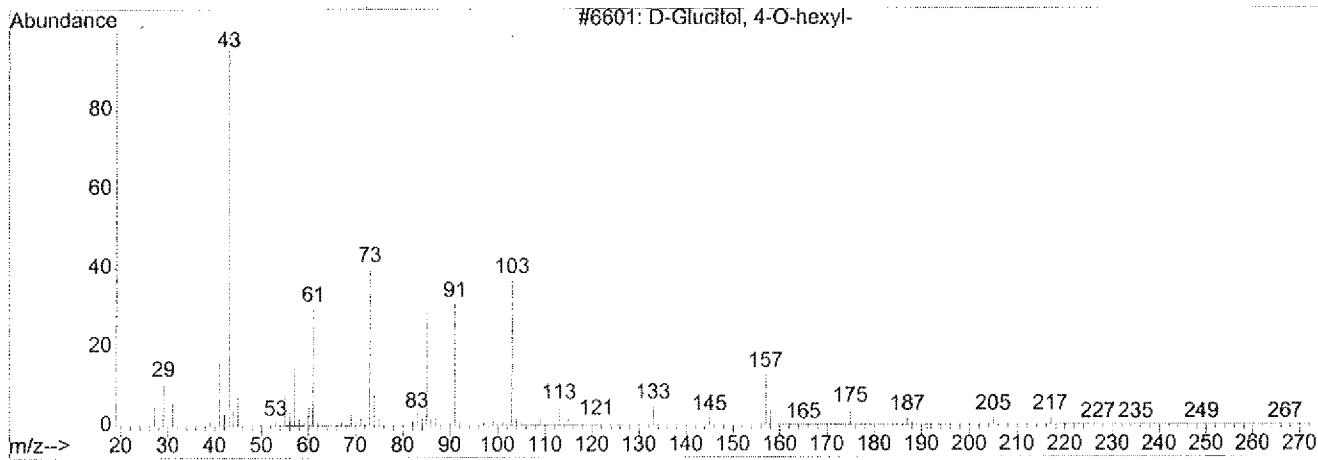
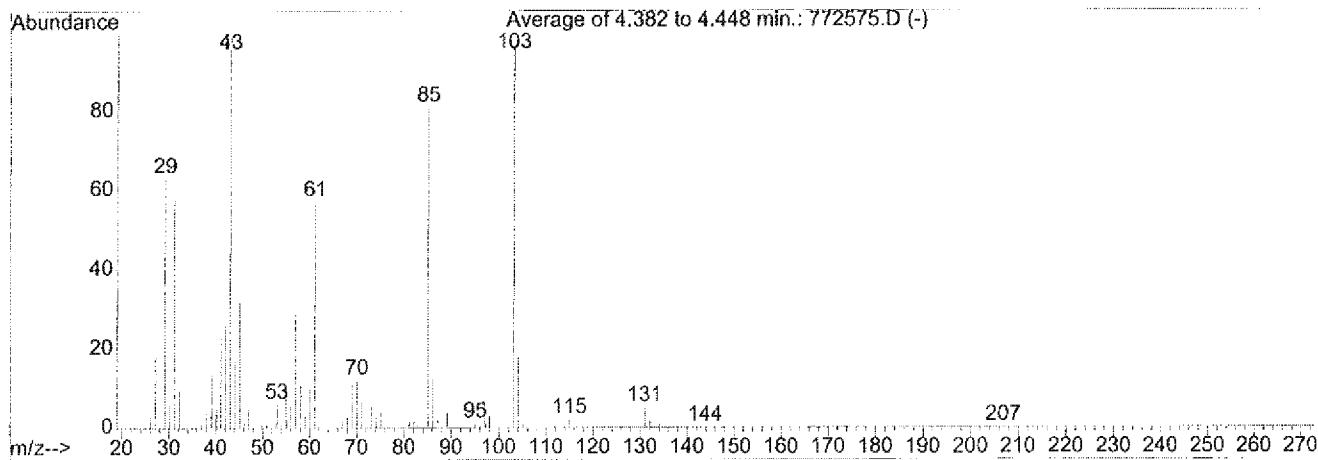
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772575.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 6:22  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 75  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
4	4.41	C:\DATABASE\NIST98.L		
		D-Glucitol, 4-O-hexyl-	132591-04-9	50
		Disulfide, propyl 1-(propylthio)eth	069078-86-0	32
		2-Hydroxy-3-methylsuccinic acid	000608-41-3	25



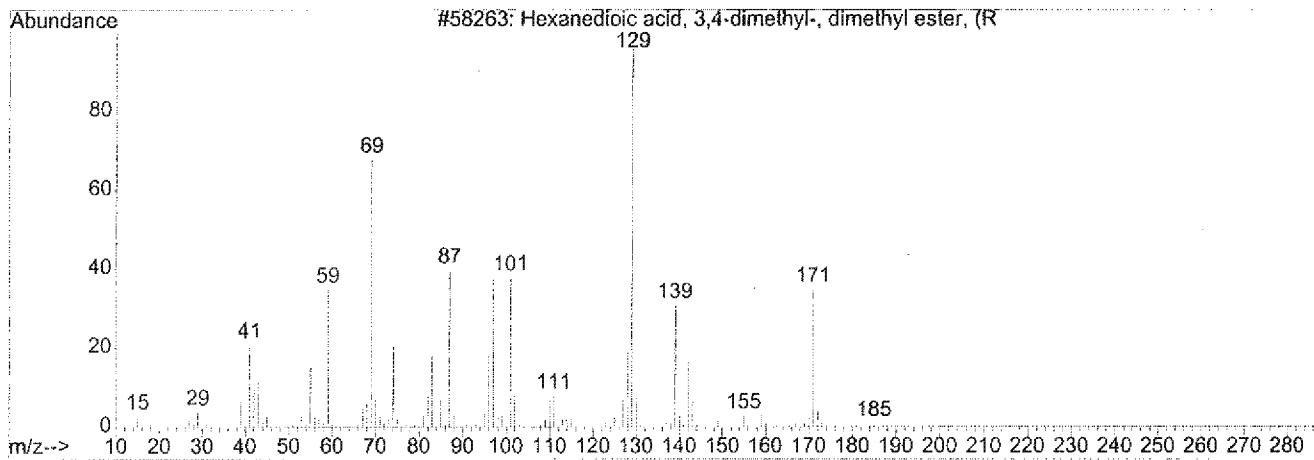
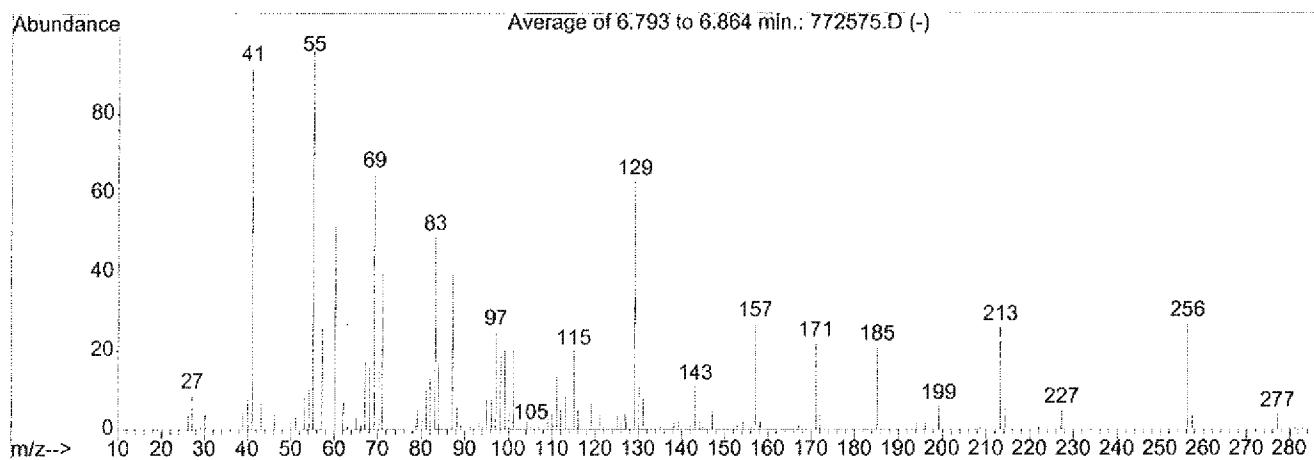
# Area Percent / Library Search Report

**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772575.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 6:22  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 75  
AcquisitionMeth: WSCREEN  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
5	6.81	C:\DATABASE\NIST98.L		
		Hexanedioic acid, 3,4-dimethyl-, di	006076-81-9	12
		Tetradecanoic acid	000544-63-8	10
		Citric Acid	000077-92-9	10



# Area Percent / Library Search Report

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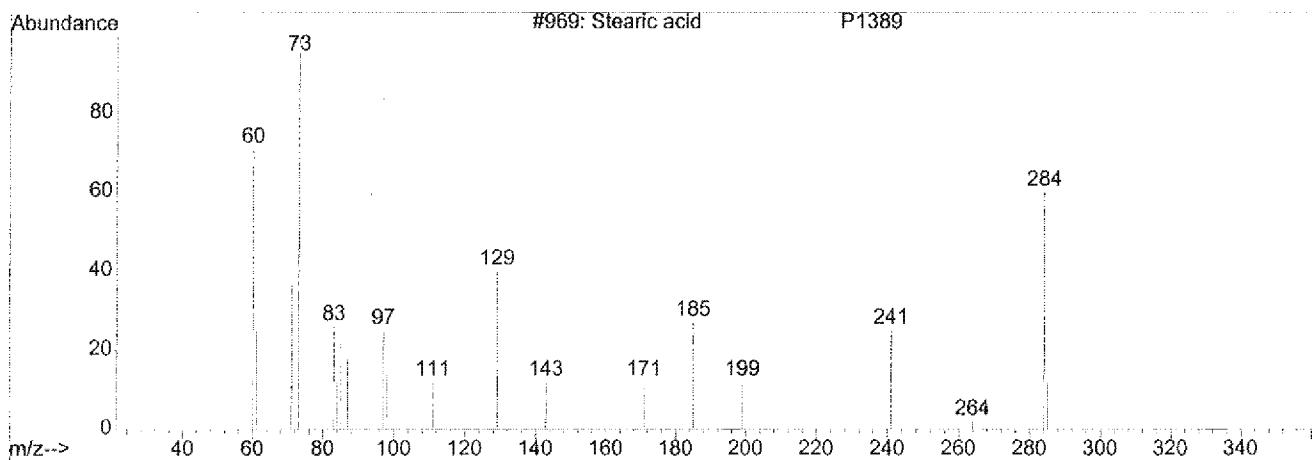
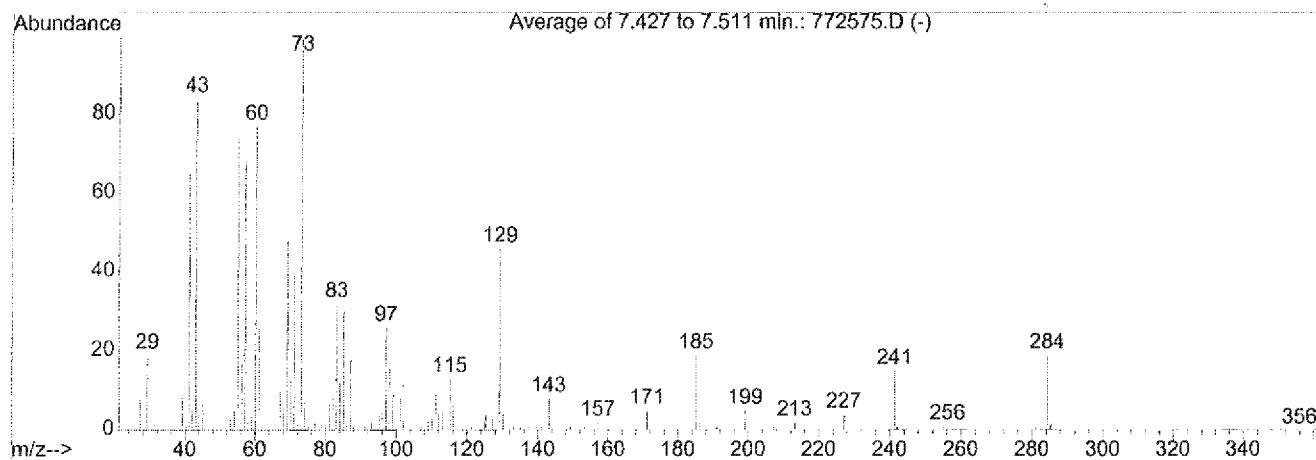
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772575.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 6:22  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 75  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
6	7.44	C:\DATABASE\PMW_TOX2.L		
		Stearic acid	000057-11-4	94
		Myristic acid	000544-63-8	43
		Hexadecane	000544-76-3	10



# Area Percent / Library Search Report

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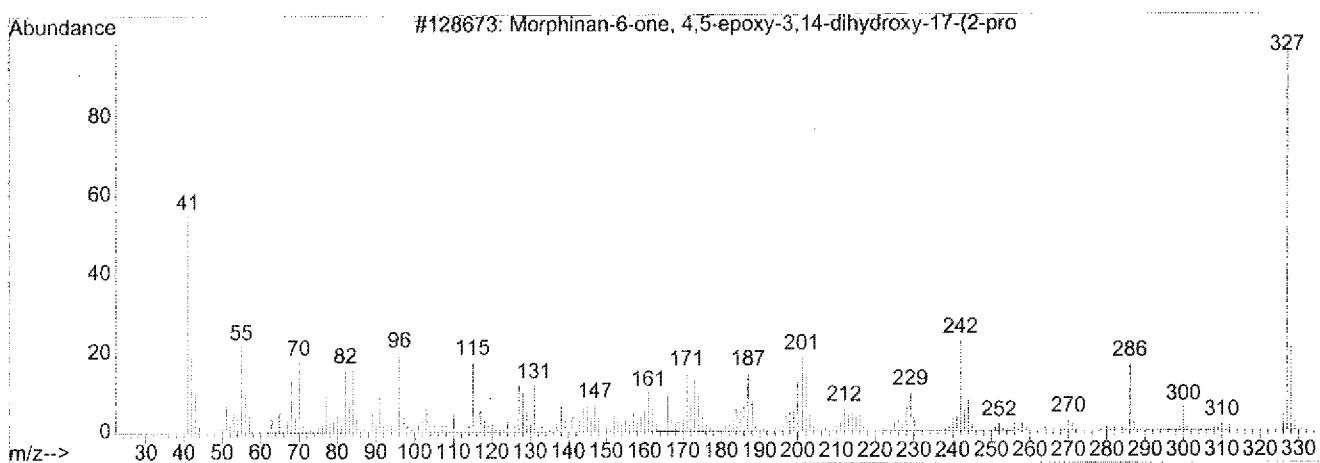
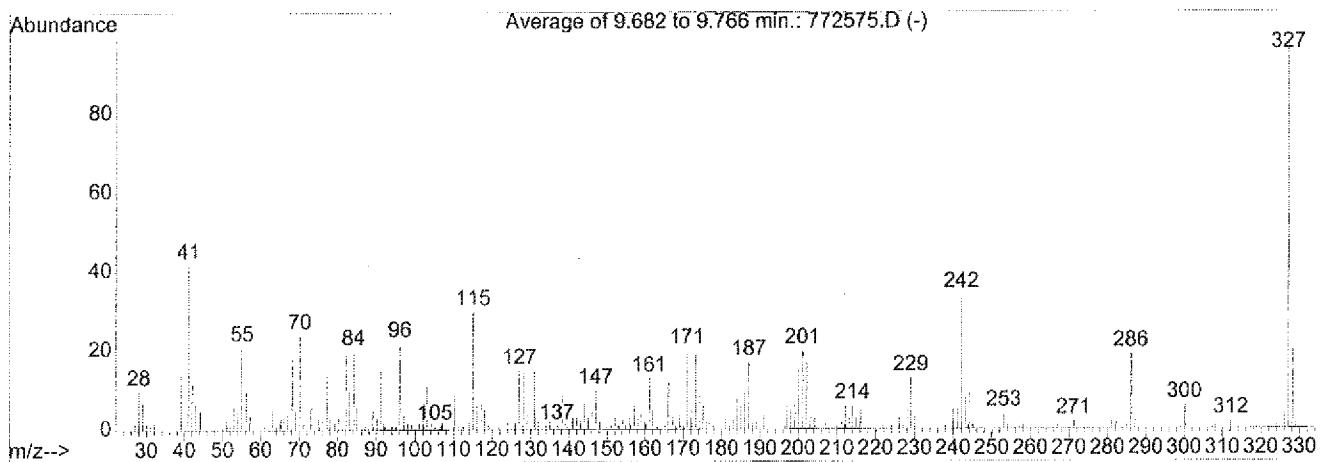
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772575.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 6:22  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 75  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
7	9.71	C:\DATABASE\NIST98.L		
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	95
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	89
		Morphinan-6-one, 4,5-epoxy-3,14-dih	000465-65-6	50



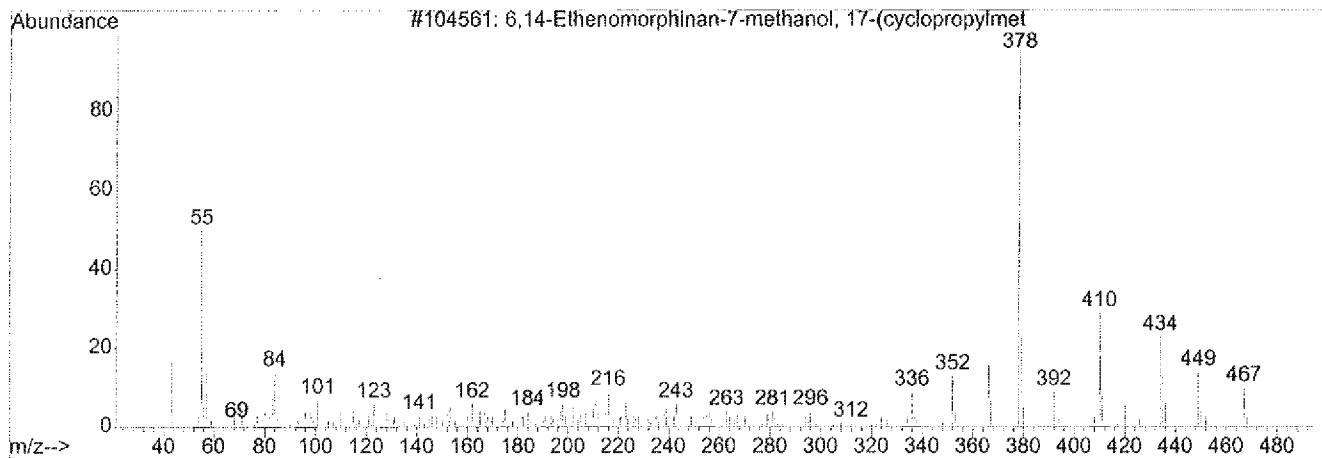
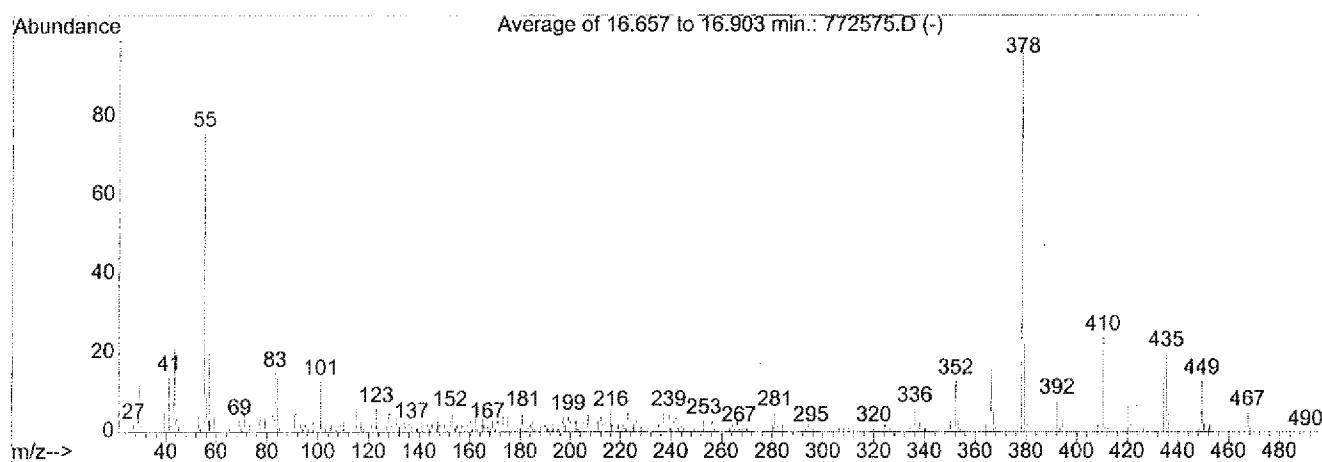
# Area Percent / Library Search Report

**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772575.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 6:22  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 75  
AcquisitionMeth: WSCREEN  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
8	16.78	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	90
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	80
		1,2,8,9-Dibenzpentacene	000227-09-8	38



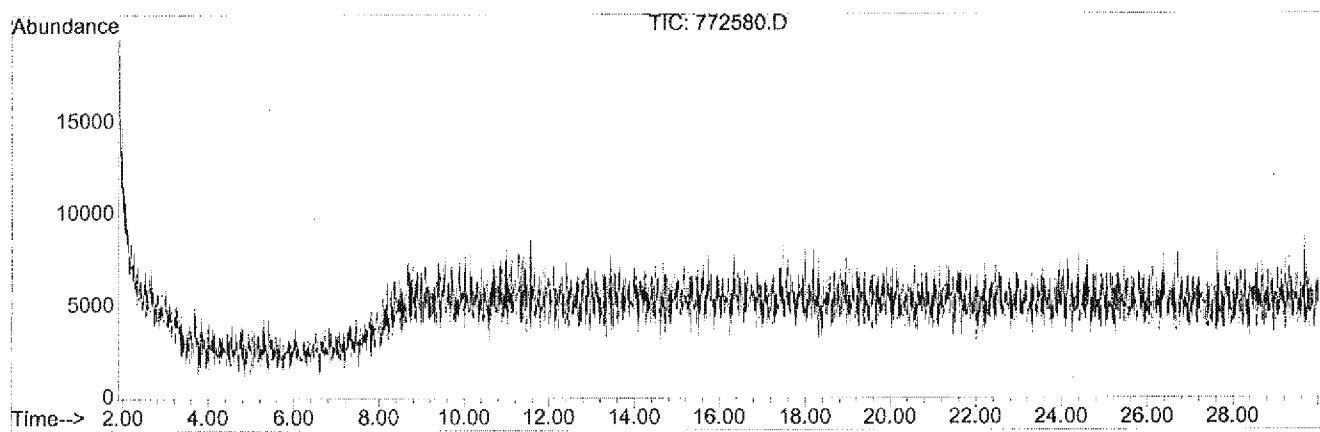
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772580.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 9:13  
Sample Name : BLANK  
Submitted by :  
Vial Number : 2  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

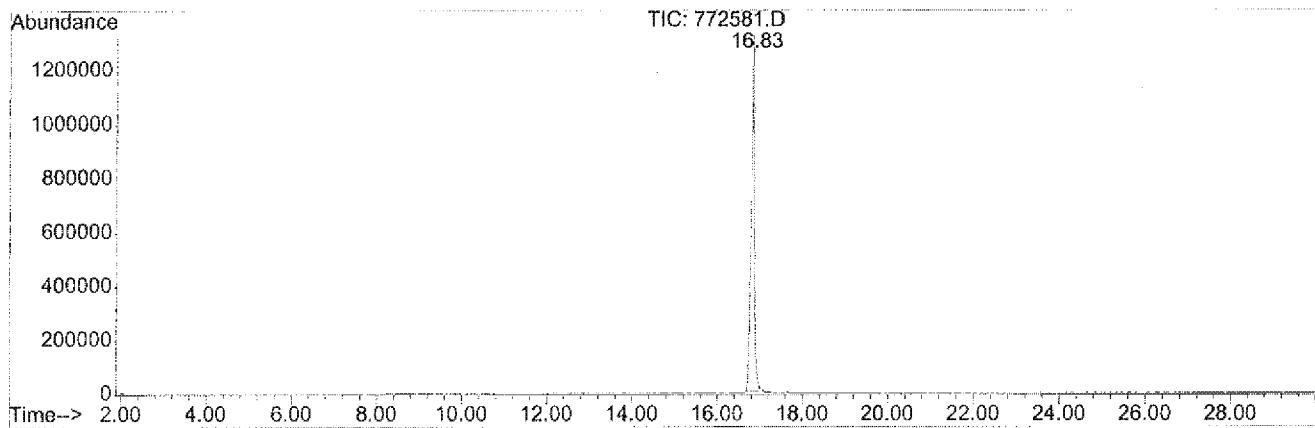
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772581.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 9:47  
Sample Name : BUPRENORPHINE STD  
Submitted by :  
Vial Number : 69  
AcquisitionMeth: WSCREEN  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
16.831	6899260	100.00	100.00

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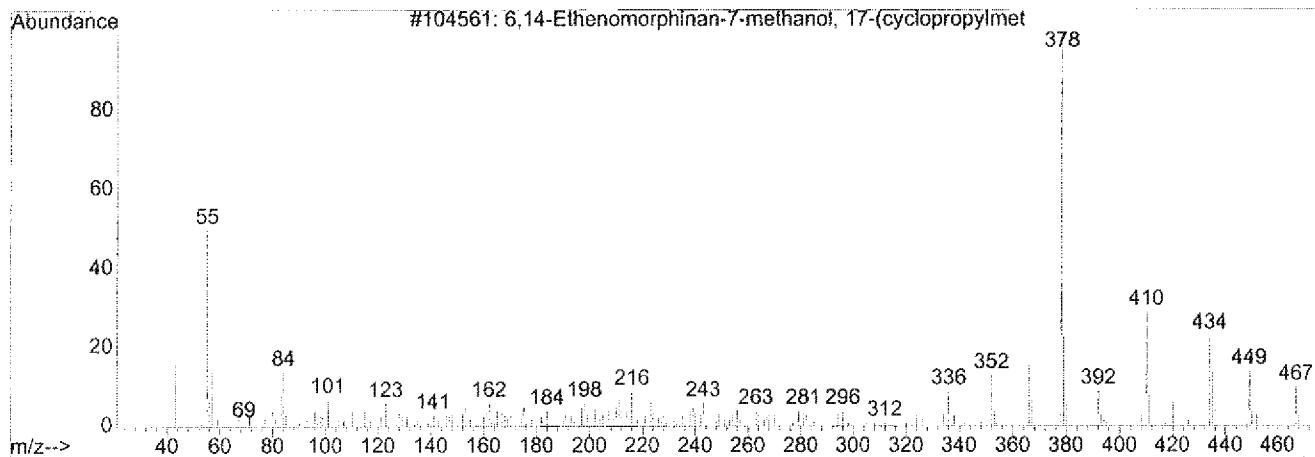
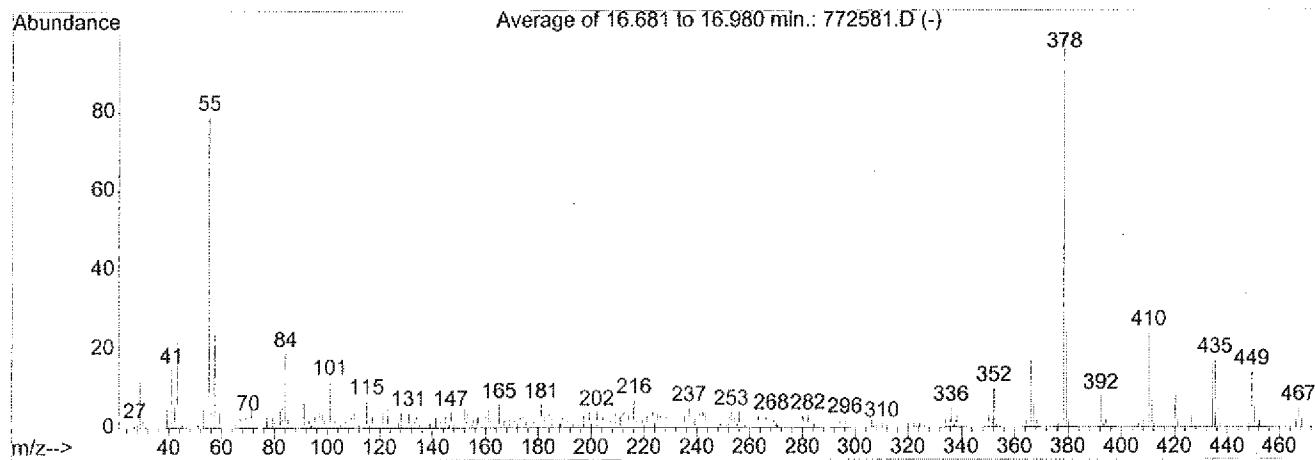
# Area Percent / Library Search Report

**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772581.D  
 Operator : P. PIRO  
 Date Acquired : 18 Feb 2011 9:47  
 Sample Name : BUPRENORPHINE STD  
 Submitted by :  
 Vial Number : 69  
 AcquisitionMeth: WSCREEN  
 Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
                   C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
                   C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	16.83	C:\DATABASE\NIST98.L		
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	95
		6,14-Ethenomorphinan-7-methanol, 17	052485-79-7	90
		Anthiaergosta-5,7,9,22-tetraene	1000213-42-2	45



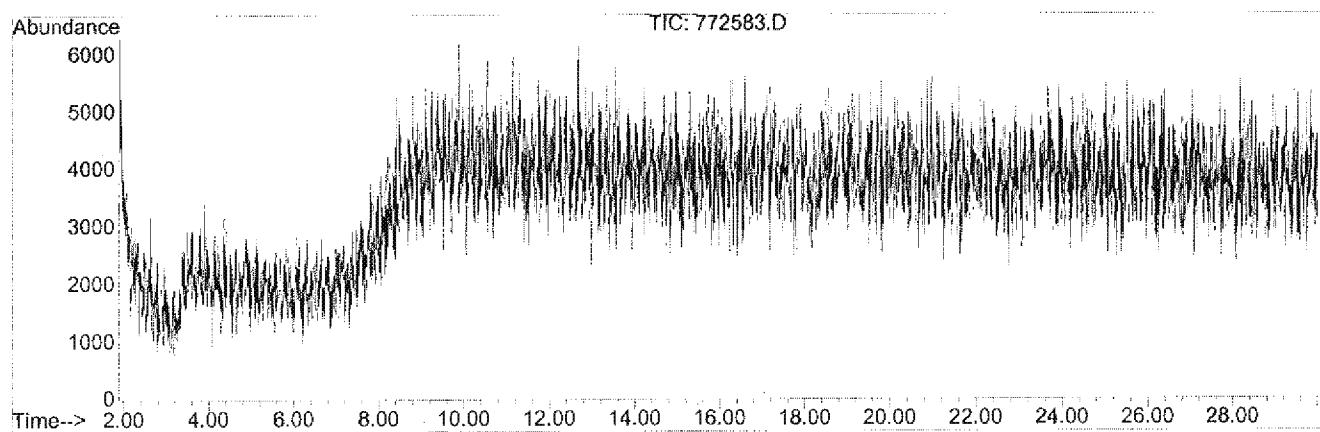
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772583.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 10:56  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 2  
AcquisitionMeth: SCREEN  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

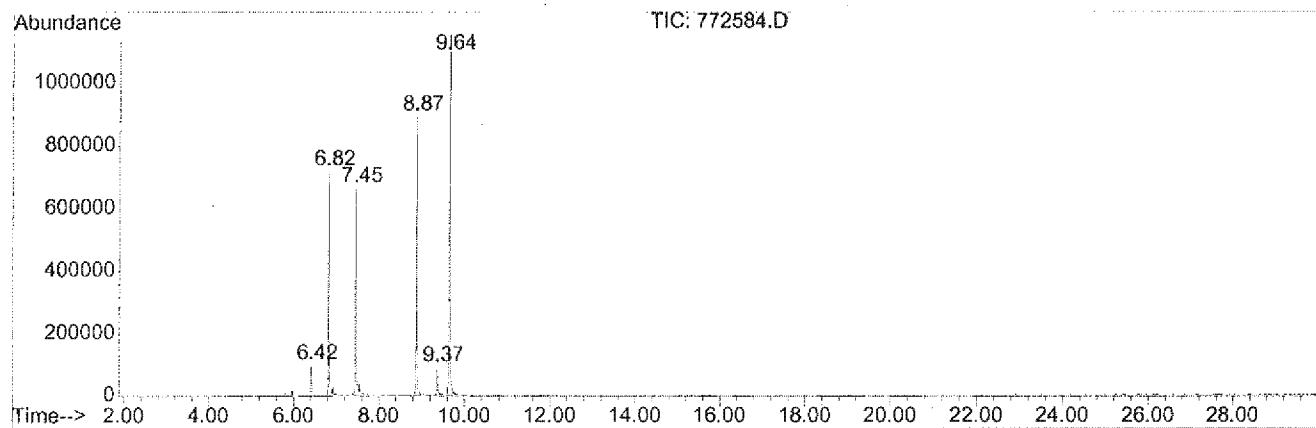
# Area Percent / Library Search Report

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**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772584.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 11:30  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 84  
AcquisitionMeth: SCREEN  
Integrator : RTE

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Ret. Time	Area	Area %	Ratio %
6.416	174224	3.53	9.34
6.817	827307	16.78	44.35
7.451	832670	16.89	44.63
8.875	1082896	21.97	58.05
9.365	146537	2.97	7.85
9.640	1865570	37.85	100.00

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# Area Percent / Library Search Report

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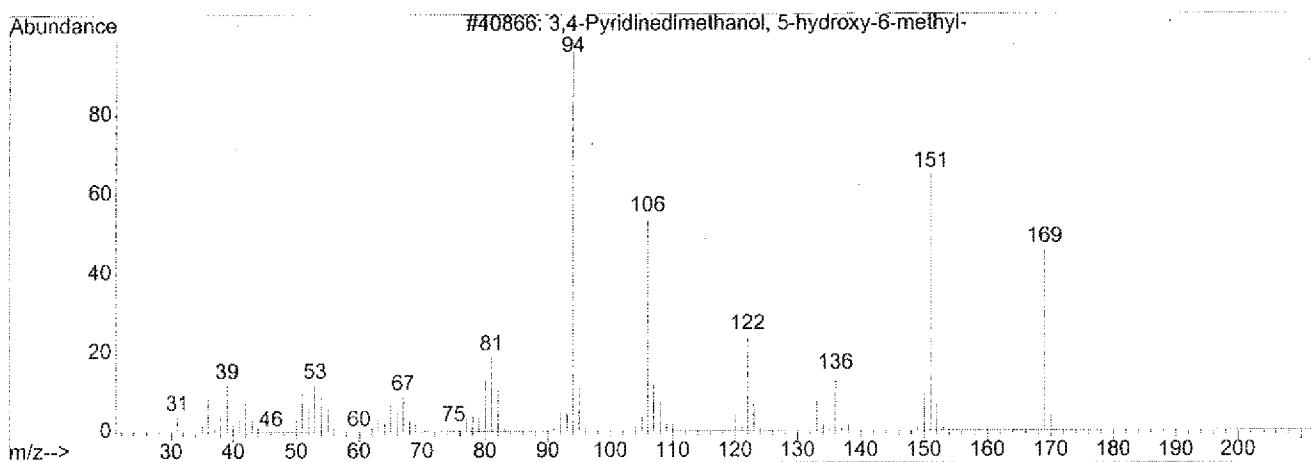
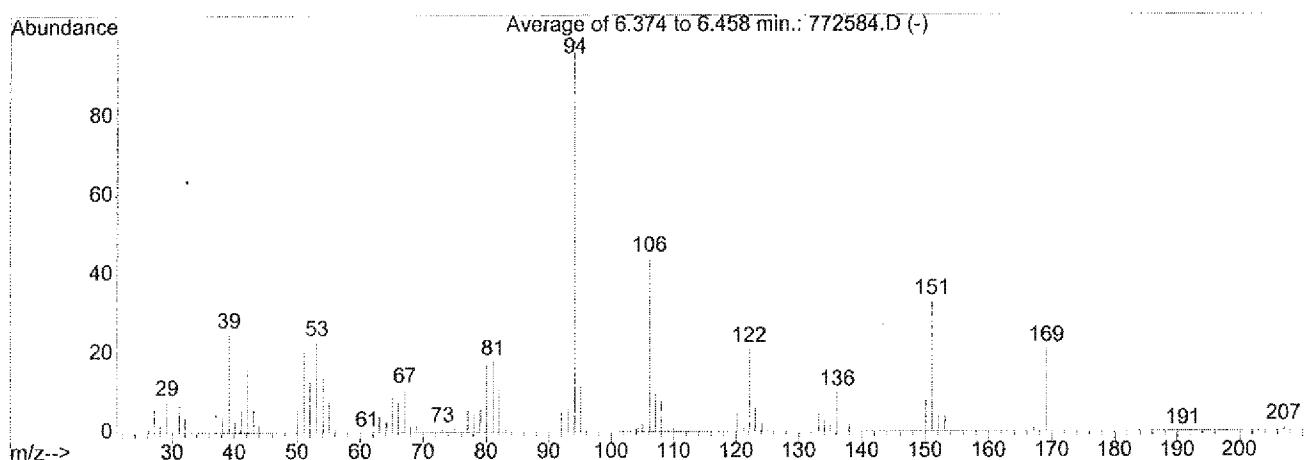
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772584.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 11:30  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 84  
AcquisitionMeth: SCREEN  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
1	6.42	C:\DATABASE\NIST98.L		
		3,4-Pyridinedimethanol, 5-hydroxy-6	000065-23-6	93
		4-Pyridinecarboxaldehyde, 3-hydroxy	000066-72-8	90
		3,4-Pyridinedimethanol, 5-hydroxy-6	000065-23-6	47



# Area Percent / Library Search Report

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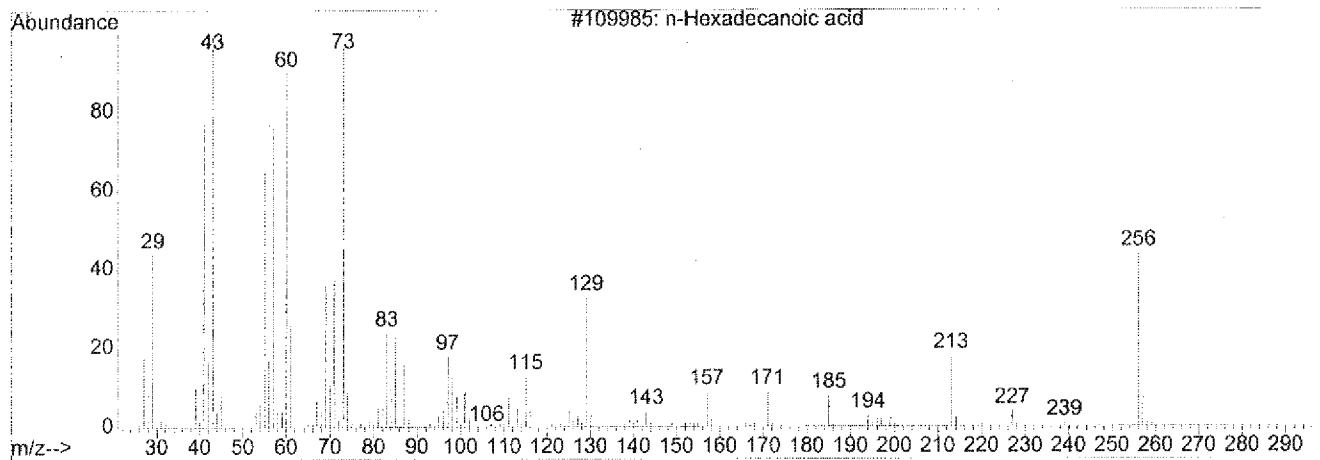
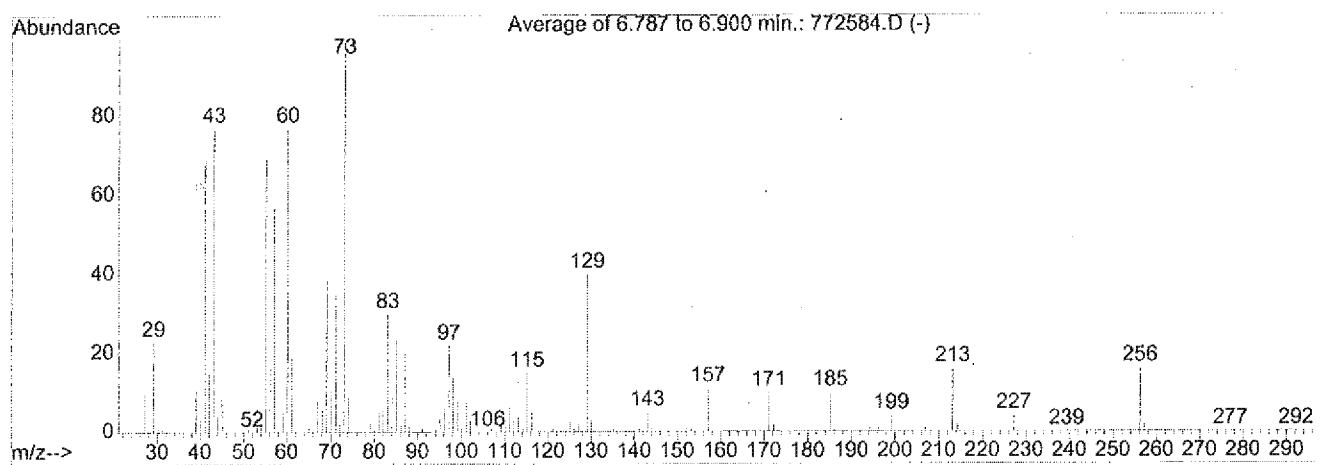
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772584.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 11:30  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 84  
AcquisitionMeth: SCREEN  
Integrator : RTE

---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
2	6.82	C:\DATABASE\NIST98.L		
		n-Hexadecanoic acid	000057-10-3	99
		n-Hexadecanoic acid	000057-10-3	99
		n-Hexadecanoic acid	000057-10-3	95



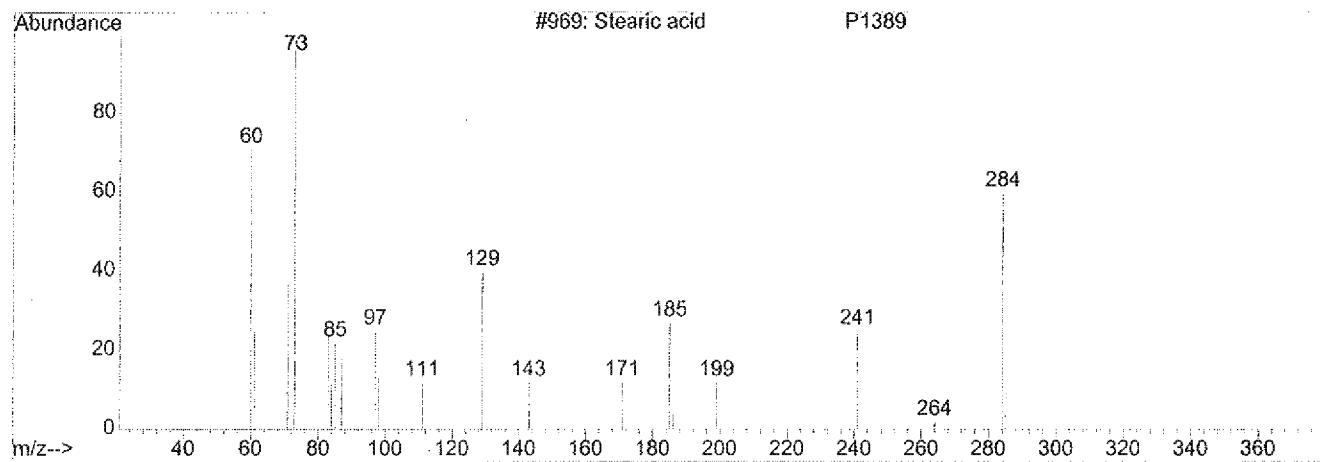
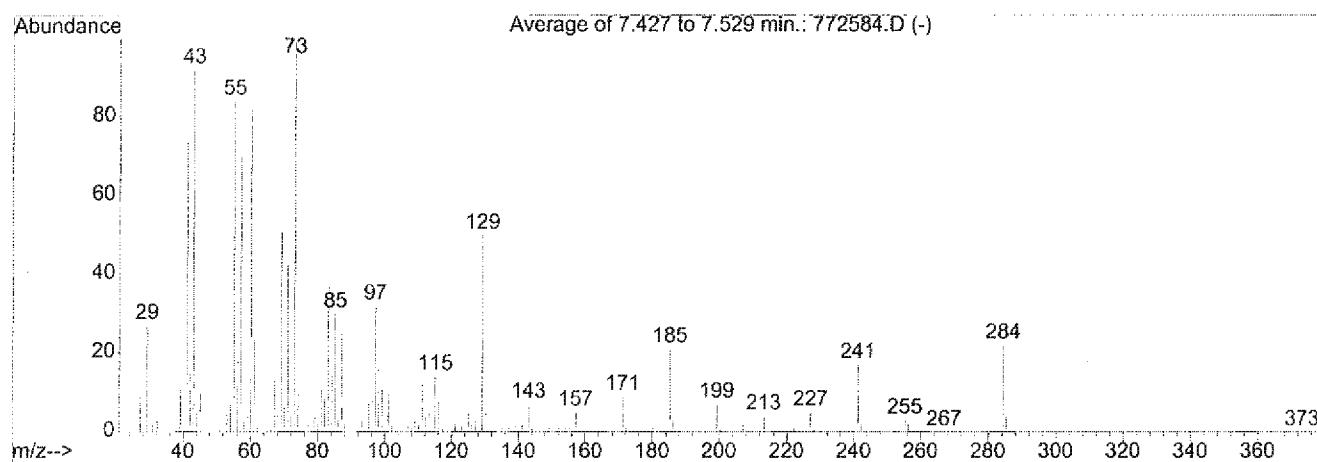
# Area Percent / Library Search Report

## Information from Data File:

File Name : D:\SYSTEM4\02\_17\_11\772584.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 11:30  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 84  
AcquisitionMeth: SCREEN  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
3	7.45	C:\DATABASE\PMW_TOX2.L		
		Stearic acid	000057-11-4	91
		Myristic acid	000544-63-8	58
		Hexadecane	000544-76-3	10



# Area Percent / Library Search Report

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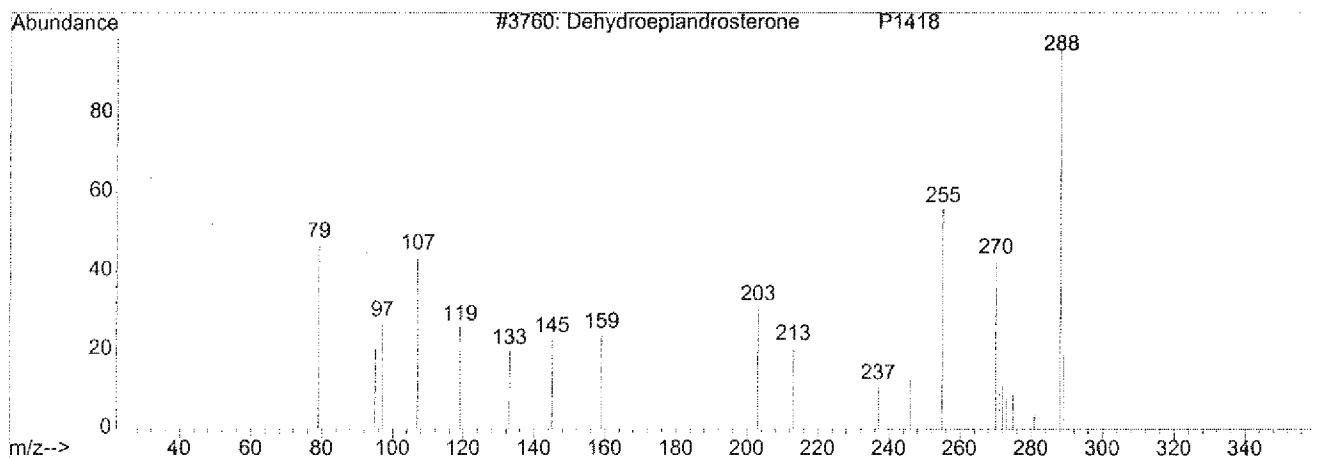
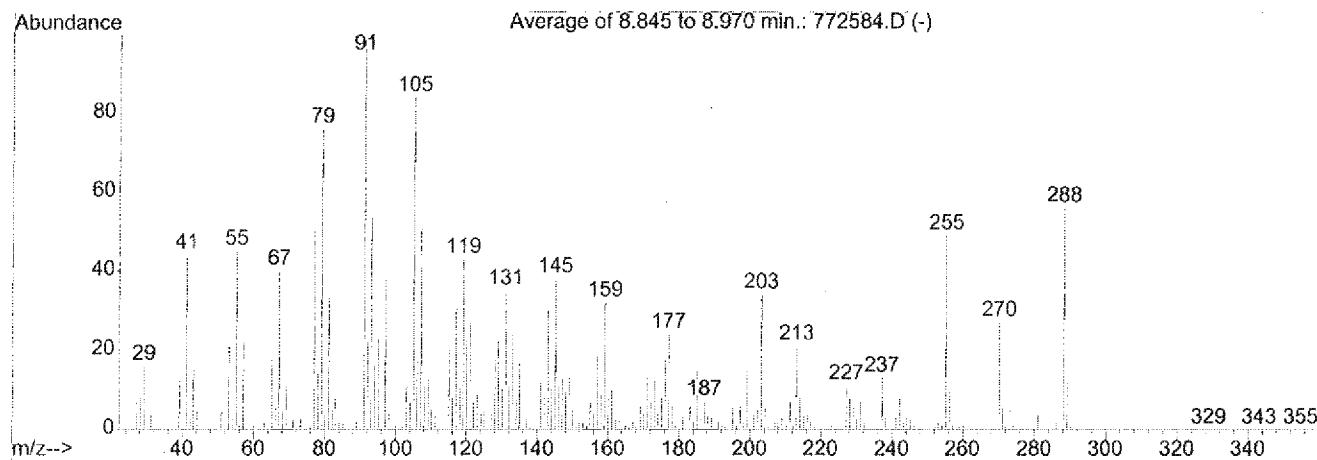
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772584.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 11:30  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 84  
AcquisitionMeth: SCREEN  
Integrator : RTE

---

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
4	8.87	C:\DATABASE\PMW_TOX2.L		
		Dehydroepiandrosterone	000053-43-0	99
		Benzylamine	000100-46-9	10
		Captan	000133-06-2	9



# Area Percent / Library Search Report

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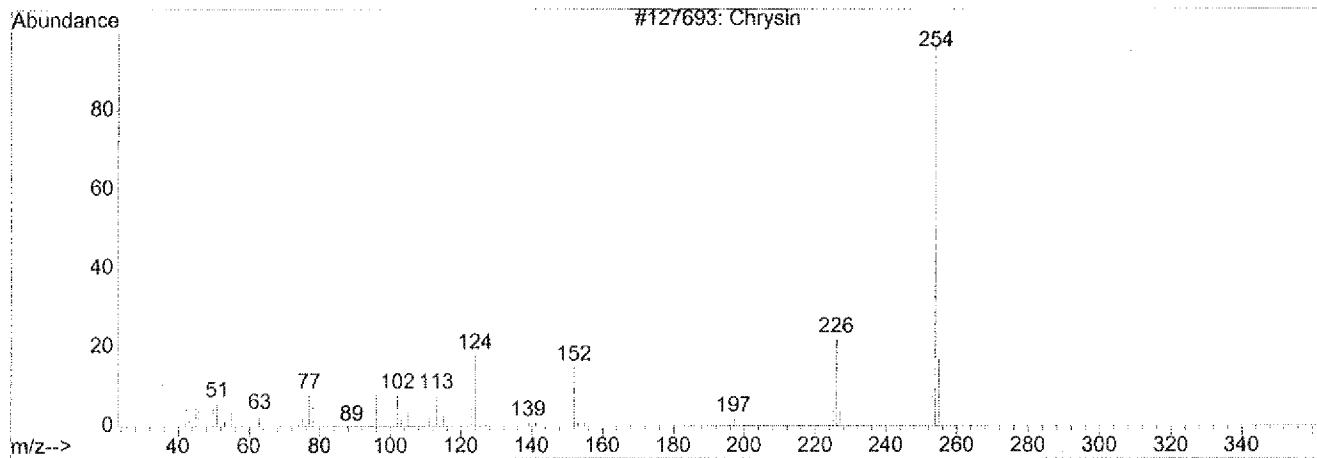
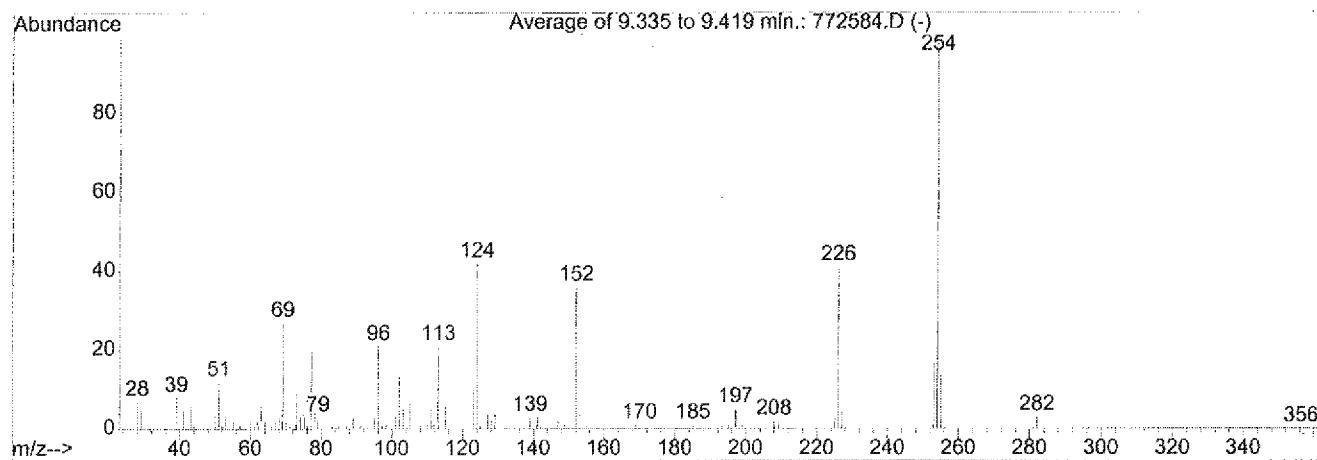
**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772584.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 11:30  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 84  
AcquisitionMeth: SCREEN  
Integrator : RTE

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Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

PK#	RT	Library/ID	CAS#	Qual
5	9.37	C:\DATABASE\NIST98.L		
		Chrysanthemic acid	000480-40-0	93
		Chrysanthemic acid	000480-40-0	87
		Phenanthrene, 2-phenyl-	004325-77-3	35



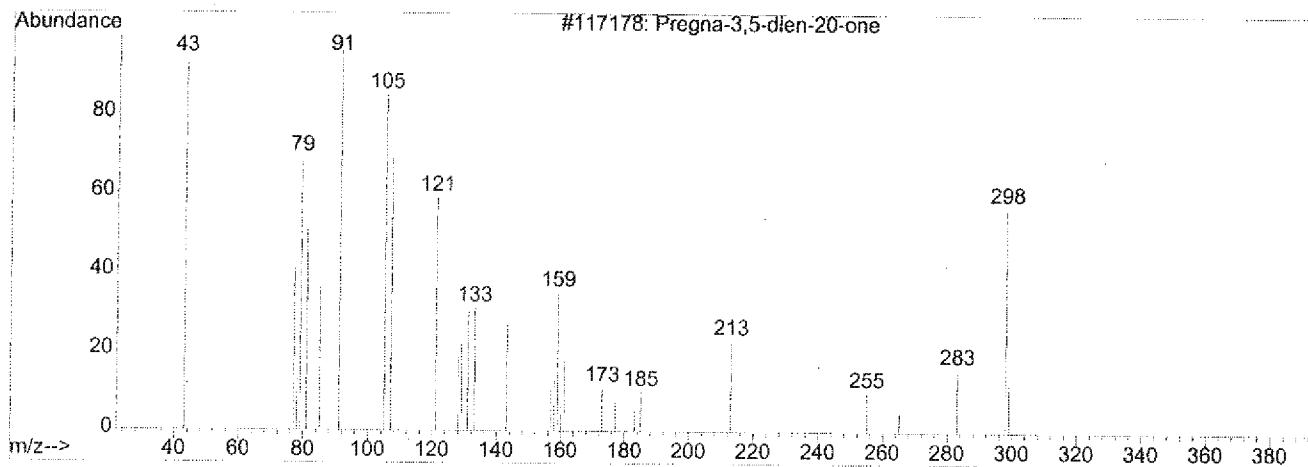
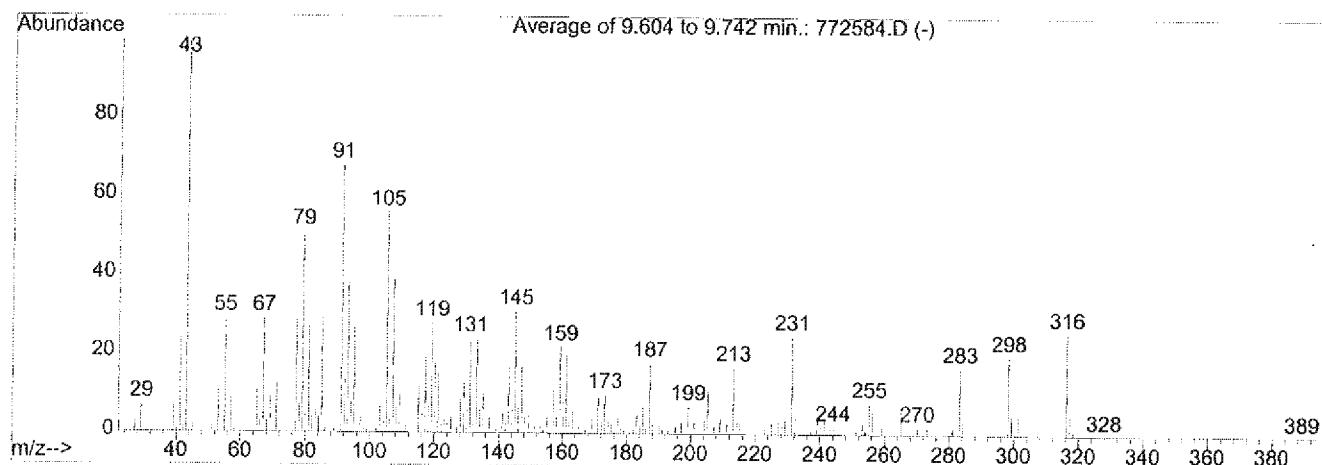
# Area Percent / Library Search Report

**Information from Data File:**

File Name : D:\SYSTEM4\02\_17\_11\772584.D  
Operator : P. PIRO  
Date Acquired : 18 Feb 2011 11:30  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 84  
AcquisitionMeth: SCREEN  
Integrator : RTE

Search Libraries: C:\DATABASE\SLI.L Minimum Quality: 95  
C:\DATABASE\PMW\_TOX2.L Minimum Quality: 90  
C:\DATABASE\NIST98.L

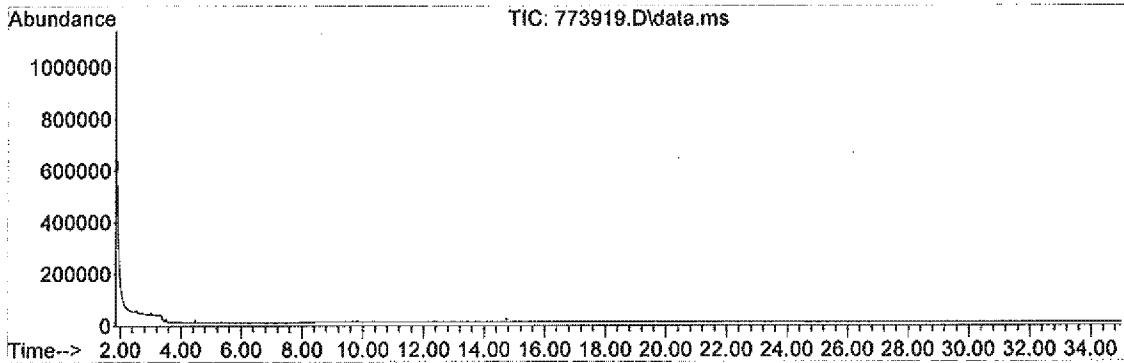
PK#	RT	Library/ID	CAS#	Qual
6	9.64	C:\DATABASE\NIST98.L		
		Pregna-3,5-dien-20-one	001093-87-4	87
		Pregn-5-en-20-one, 3-hydroxy-	038372-24-6	83
		Tretinoin	000302-79-4	38



VKAC  
9/19/11

## Information from Data File:

File Name : K:\02\_26\_11\773919.D  
Operator : ASD/KAC  
Date Acquired : 26 Feb 2011 21:21  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: VIAGRA.M  
Integrator : RTE

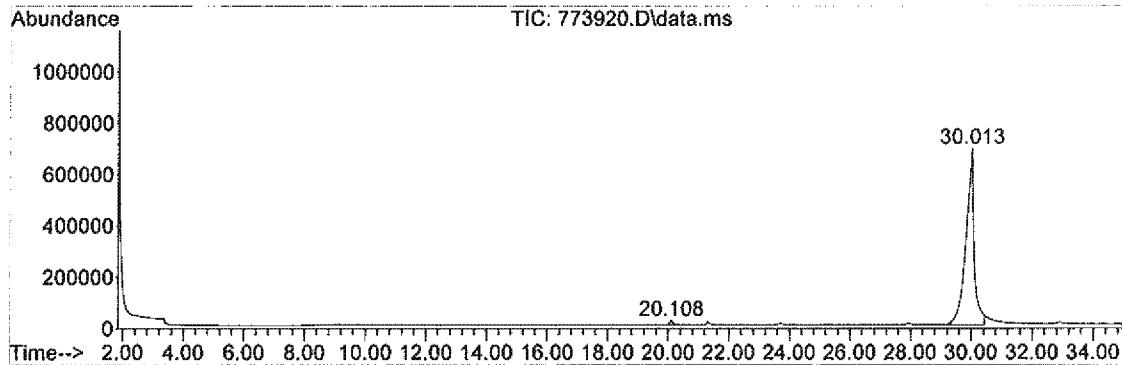


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : K:\02\_26\_11\773920.D  
Operator : ASD/KAC  
Date Acquired : 26 Feb 2011 22:00  
Sample Name : SILDENAFIL STD  
Submitted by : ASD  
Vial Number : 20  
AcquisitionMeth: VIAGRA.M  
Integrator : RTE



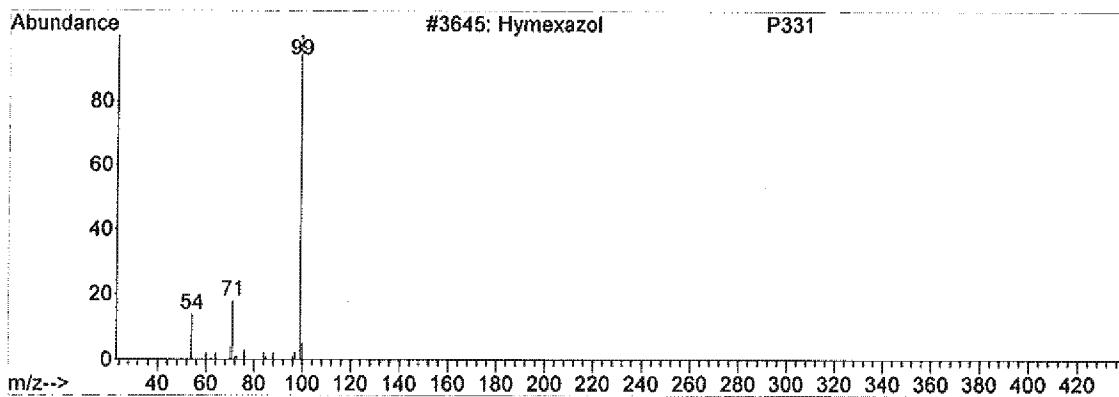
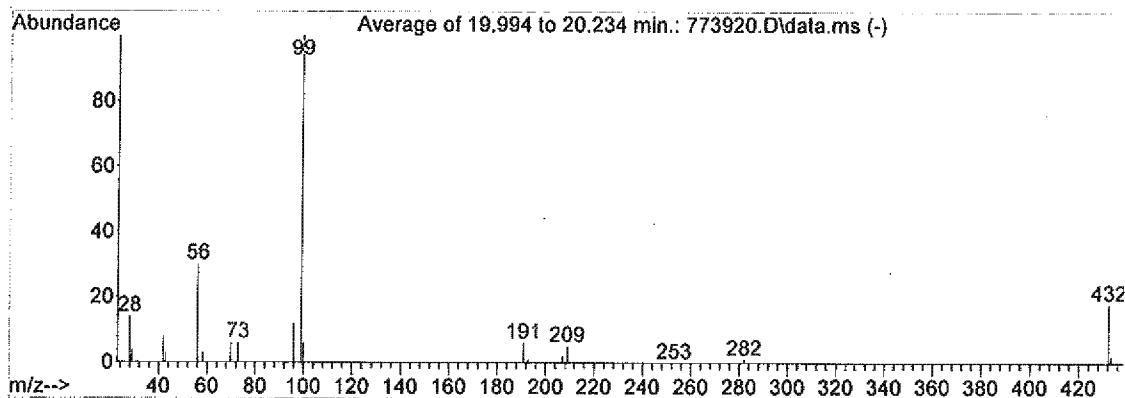
Ret. Time	Area	Area %	Ratio %
20.108	108051	0.83	0.84
30.013	12846081	99.17	100.00

## Information from Data File:

File Name : K:\02\_26\_11\773920.D  
Operator : ASD/KAC  
Date Acquired : 26 Feb 2011 22:00  
Sample Name : SILDENAFIL STD  
Submitted by : ASD  
Vial Number : 20  
AcquisitionMeth: VIAGRA.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	20.11	C:\Database\PMW_TOX2.L		
		Hymexazol	010004-44-1	5
		Diphenylpyraline	000147-20-6	2
		PICC	@ 000000-00-0	2

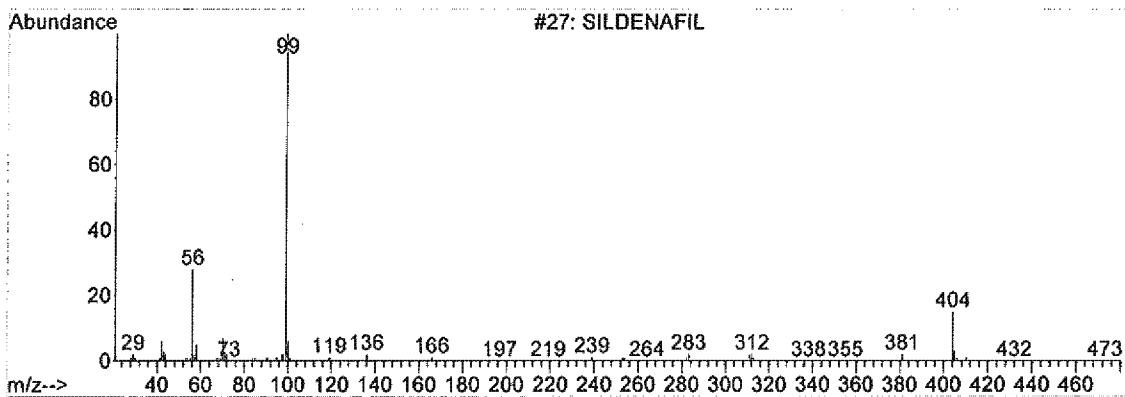
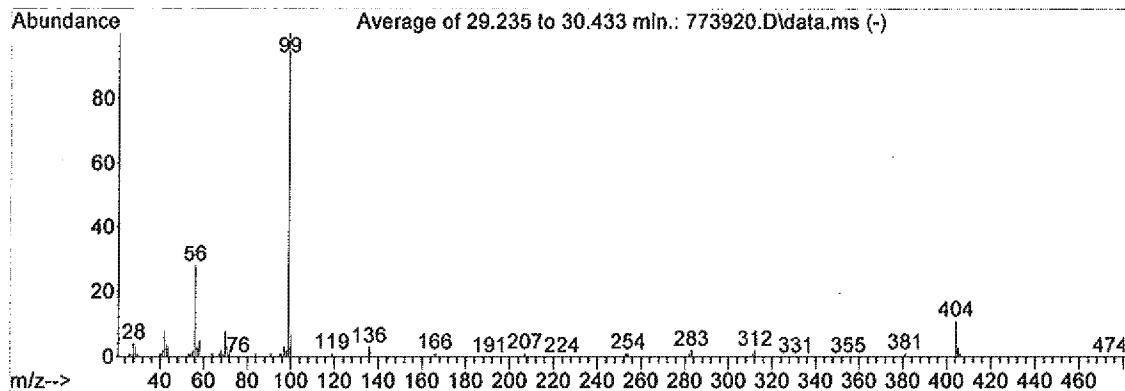


## Information from Data File:

File Name : K:\02\_26\_11\773920.D  
Operator : ASD/KAC  
Date Acquired : 26 Feb 2011 22:00  
Sample Name : SILDENAFIL STD  
Submitted by : ASD  
Vial Number : 20  
AcquisitionMeth: VIAGRA.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	30.01	C:\Database\SLI.L		
		SILDENAFIL	139755-83-2	83
		SILDENAFIL	139755-83-2	83

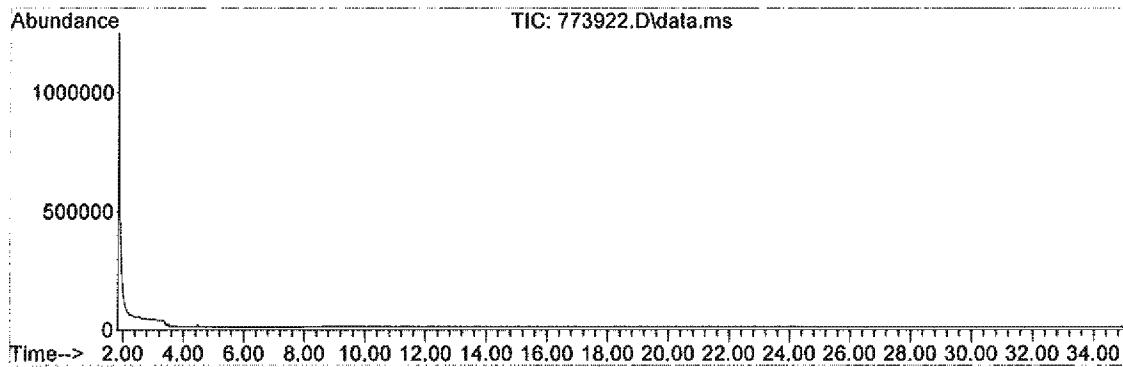


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Information from Data File:

File Name : K:\02\_26\_11\773922.D  
Operator : ASD/KAC  
Date Acquired : 26 Feb 2011 23:16  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: VIAGRA.M  
Integrator : RTE

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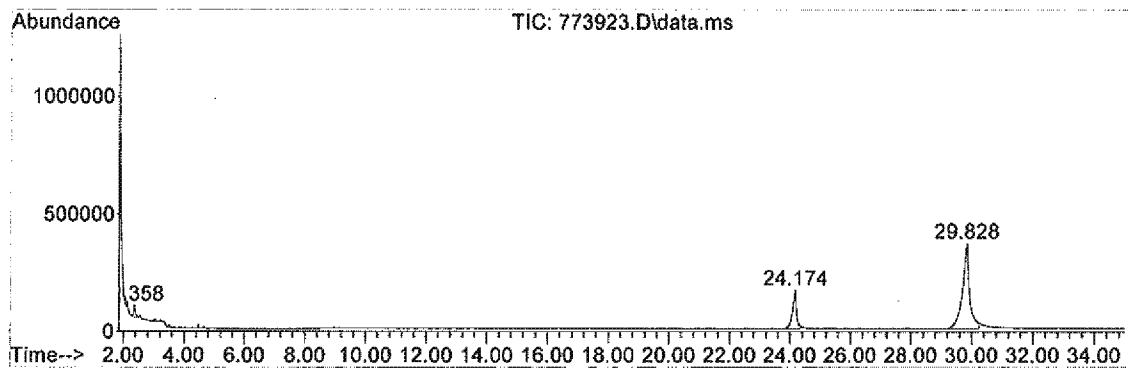
Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : K:\02\_26\_11\773923.D  
Operator : ASD/KAC  
Date Acquired : 26 Feb 2011 23:53  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 23  
AcquisitionMeth: VIAGRA.M  
Integrator : RTE



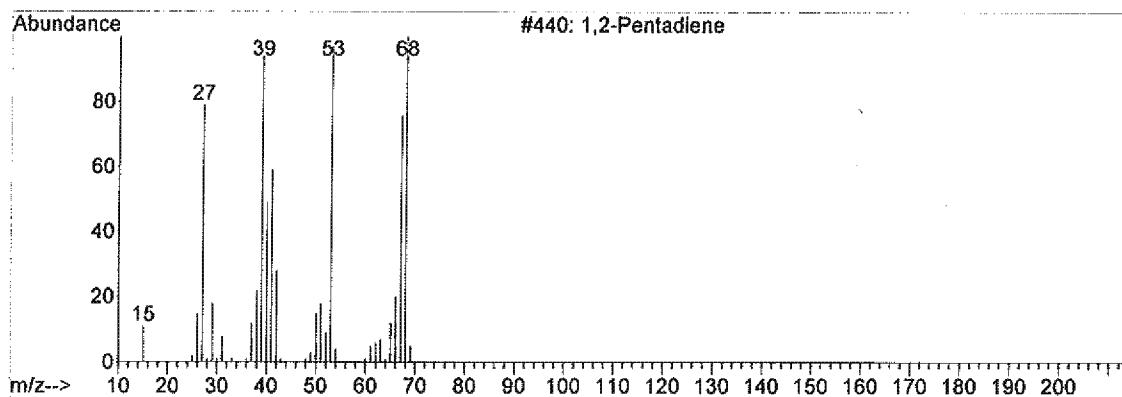
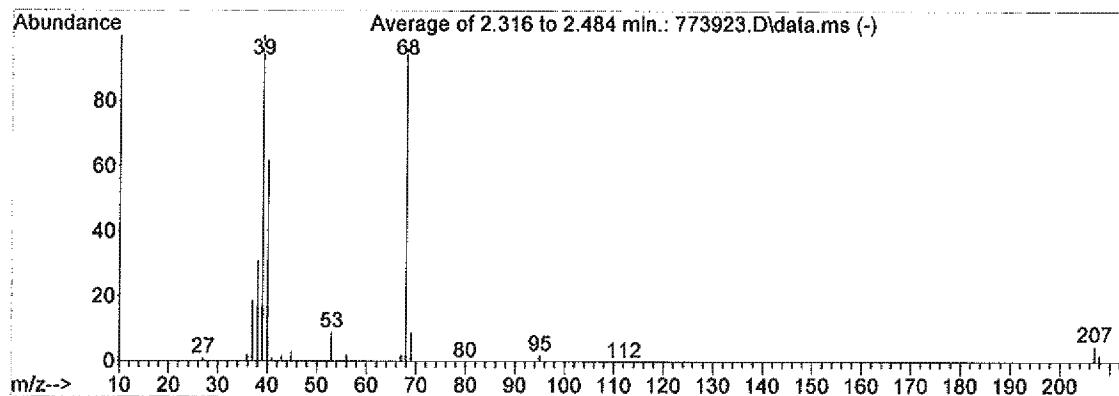
Ret. Time	Area	Area %	Ratio %
2.358	184372	2.40	3.09
24.174	1538667	20.03	25.82
29.828	5958267	77.57	100.00

## Information from Data File:

File Name : K:\02\_26\_11\773923.D  
Operator : ASD/KAC  
Date Acquired : 26 Feb 2011 23:53  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 23  
AcquisitionMeth: VIAGRA.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.36	C:\Database\NIST08.L		
		1,2-Pentadiene	000591-95-7	83
		2H-Pyran-2-one	000504-31-4	83
		2,5-Furandione, 3-methyl-	000616-02-4	83

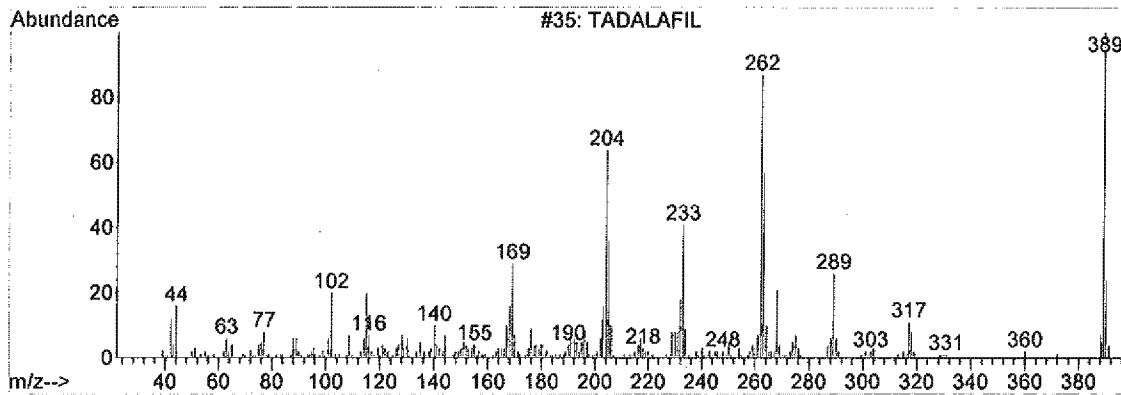
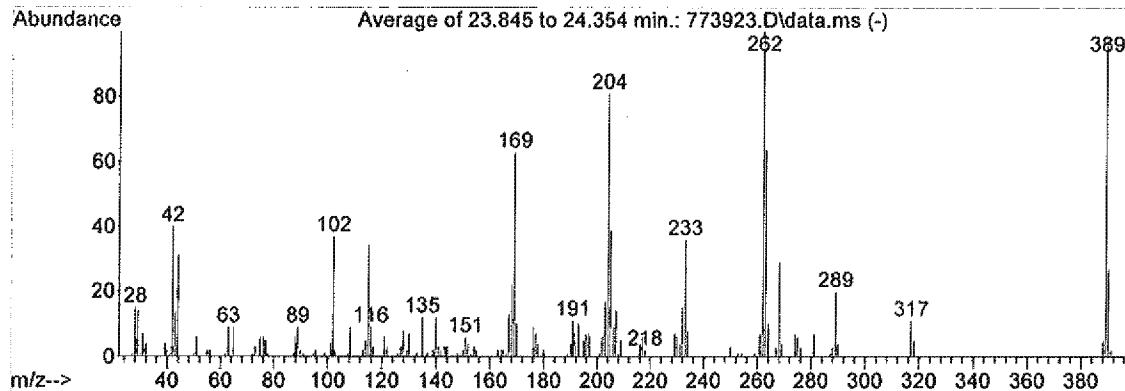


## Information from Data File:

File Name : K:\02\_26\_11\773923.D  
Operator : ASD/KAC  
Date Acquired : 26 Feb 2011 23:53  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 23  
AcquisitionMeth: VIAGRA.M  
Integrator : RTE

Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	24.17	C:\Database\SLI.L TADALAFIL	171596-29-5	83

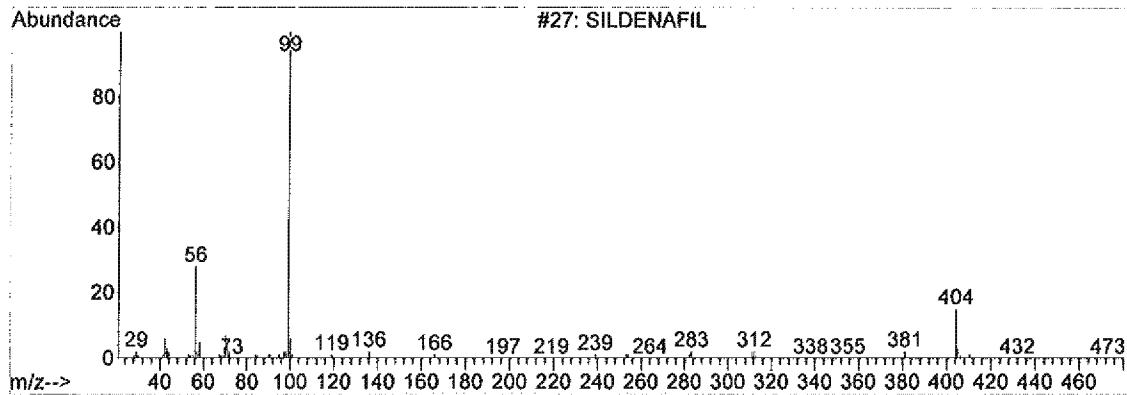
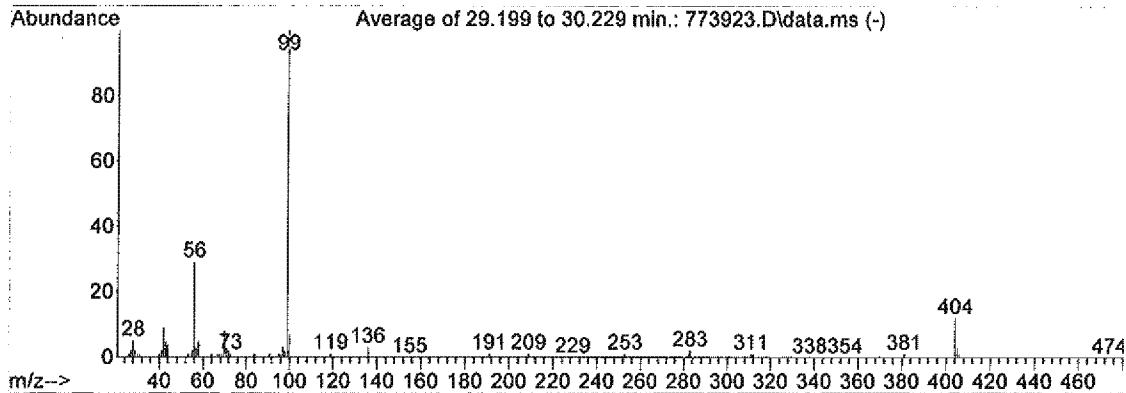


## Information from Data File:

File Name : K:\02\_26\_11\773923.D  
Operator : ASD/KAC  
Date Acquired : 26 Feb 2011 23:53  
Sample Name : XXXXXXXXXX  
Submitted by : ASD  
Vial Number : 23  
AcquisitionMeth: VIAGRA.M  
Integrator : RTE

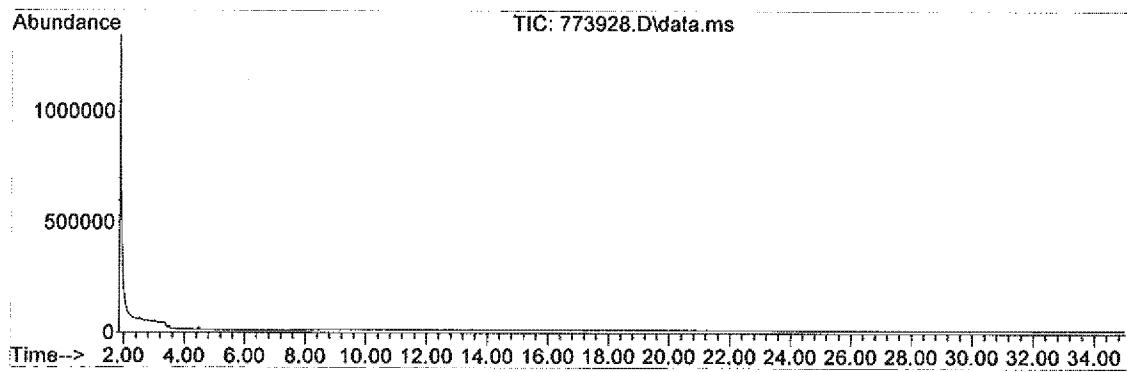
Search Libraries: C:\Database\SLI.L Minimum Quality: 80  
C:\Database\NIST08.L Minimum Quality: 80  
C:\Database\PMW\_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
3	29.83	C:\Database\SLI.L		
		SILDENAFIL	139755-83-2	90
		SILDENAFIL	139755-83-2	83



## Information from Data File:

File Name : K:\02\_26\_11\773928.D  
Operator : ASD/KAC  
Date Acquired : 27 Feb 2011 3:04  
Sample Name : BLANK  
Submitted by : ASD  
Vial Number : 1  
AcquisitionMeth: VIAGRA.M  
Integrator : RTE

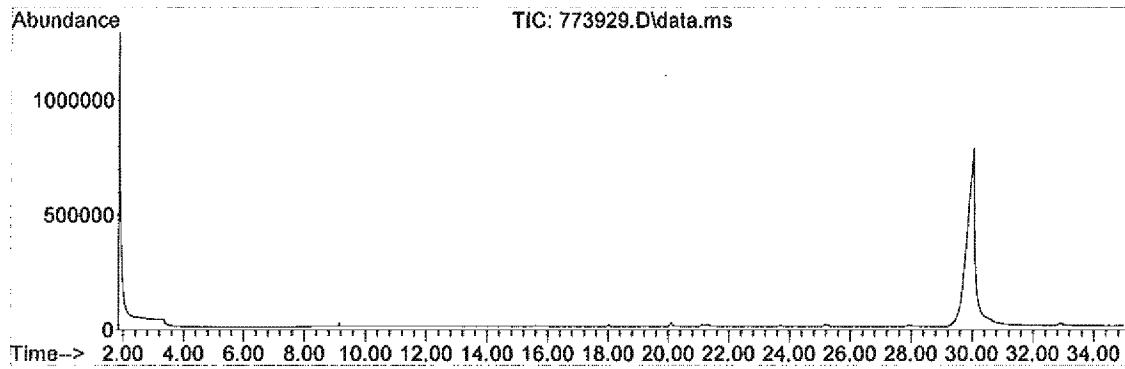


Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

## Information from Data File:

File Name : K:\02\_26\_11\773929.D  
Operator : ASD/KAC  
Date Acquired : 27 Feb 2011 3:42  
Sample Name : SILDENAFIL STD  
Submitted by : ASD  
Vial Number : 20  
AcquisitionMeth: VIAGRA.M  
Integrator : RTE



Ret. Time	Area	Area %	Ratio %
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\*\*\*NO INTEGRATED PEAKS\*\*\*

Library Searched : C:\Database\NIST08.L  
Quality : 91  
ID : Viagra

